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## ***Transportation Infrastructure***

New Jersey has a robust transportation infrastructure including 38,000 miles of interstates/highways, world-class container and bulk port facilities, commercial and general aviation airports, and the highest density of railroads in the nation.

### **Highways**

New Jersey's highway system is anchored by the New Jersey Turnpike, which runs 122 miles from the George Washington Bridge near the northern boundary of the State, to the southern end of the State, just before the Delaware Memorial Bridge. This toll road is 4 lanes wide in southern New Jersey, and expands to as much as 14 lanes in parts of northern New Jersey. From Exit 8A north, the highway is split into four roadways, with two for cars, and two for cars, trucks and buses. A major construction project underway is extending this highway split from Exit 8A to Exit 6. From the Trenton area to the George Washington Bridge, the Turnpike also carries the Interstate 95 designation.

Other major highways in the State include:

- Garden State Parkway: runs the entire length of the State, from Cape May at the southern tip, to the New York State border, a distance of 172 miles. This highway has been identified as the busiest toll road in the country based on toll receipts. Most of the northern half of the road is closed to large commercial vehicles.
- Atlantic City Expressway: a 44-mile toll road that runs from the Camden area to Atlantic City.
- Palisades Interstate Parkway: runs from the George Washington Bridge north for 38 miles into New York State. This parkway is closed to commercial traffic.
- Interstate 295: roughly parallels the New Jersey Turnpike from the Delaware Memorial Bridge to the Trenton area.
- Interstate 287: from Perth Amboy near the southern tip of Staten Island, west to the suburbs west of the Newark metro, and north to the New York State border.

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- Interstate 78: runs from Newark Liberty International Airport west to Phillipsburg and Easton PA and beyond.
- Interstate 80: also known as “Route 80”, runs from Teaneck, near the George Washington Bridge, and west through northern New Jersey and beyond to San Francisco.
- Interstate 195: runs from the Trenton area east to the Jersey shore.

## Airports

Newark Liberty International Airport (airport code EWR) opened in 1928, making it the nation's oldest airfield, and the site of the country's first commercial airline terminal. Gateway to the 2nd largest metropolitan area in the world (only 14 miles from Manhattan), Newark Liberty serves a crucial role in the New York-New Jersey-Pennsylvania metropolitan area. In 2011, Newark accommodated 33 million airline passengers, and currently is served by 35 airlines and 550 daily flights nonstop to 130 destinations worldwide. United Airlines operates a major global hub operation at the airport.

New Jersey has two other airports with scheduled commercial airline service:

- Atlantic City International Airport: a dozen daily flights to Boston, Chicago, Florida, Atlanta, Detroit, and South Carolina.
- Trenton-Mercer County Airport: two weekly flights to Orlando

New Jersey is also served by nearby airports in New York and Pennsylvania:

- John F. Kennedy International Airport (New York): 45 minutes from northern New Jersey; extensive domestic and international service.
- LaGuardia Airport (New York): 30 minutes from northern New Jersey; primarily domestic air service.
- Philadelphia International Airport: 10 minutes from southern New Jersey; extensive domestic and international service.
- Lehigh Valley International Airport (Allentown PA): 15 minutes from western New Jersey; primarily domestic service.



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## **Freight Ports**

The Port of New York and New Jersey is the third-largest seaport in the US, and the largest maritime cargo center on the East Coast. In 2011, the combined ports handled 5.5 million loaded and unloaded 20-foot equivalent units (TEUs). The number was an annual record for the port.

Additionally, ExpressRail, the Port Authority's on-dock rail system in New York and New Jersey, handled 422,144 cargo containers, an increase of 12.0 percent over 2010.

In 2012, the Port Authority of New York and New Jersey is investing \$275 million in seaport-related improvements to improve efficiency and capacity at the Port.

In New Jersey, The Port Authority of New York and New Jersey manages Port Newark, the Elizabeth-Port Authority Marine Terminal, and the Port Jersey Port Authority Marine Terminal. The Port Authority leases most of its terminal space to private terminal operators, which manage the daily loading and unloading of container ships.

### Port Newark/Elizabeth

Port Newark/Elizabeth occupies 2,200 acres, and handles over 2.5 million containers annually. About 3,700 vessels call at the combined port each year. The ports have 41,000 linear feet of berthing space.

As one of the largest infrastructure projects in New Jersey, over \$600 million is being invested in expansion of the port through 2030. Expansion plans include berth deepening and upgraded capital equipment including Super Post-Panamax ship-to-shore cranes (2013). As a separate project, the Port Authority is planning to raise the Bayonne Bridge to allow passage of the Super Post-Panamax ships through the Kill van Kull.

### Port Jersey

The Port Jersey Port Authority Marine Terminal in Jersey City is a 25-acre site that is the US processing center for BMW vehicles.

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## Port of Camden

The South Jersey Port Corporation (SJPC) operates three terminals that make up the Port of Camden. The SJPC is known worldwide for its expertise in the handling of breakbulk cargoes, especially wood and steel products. In the last twenty years, the SJPC has become the #1 port handling imported wood products into the United States. The Port has also handled a growing array of steel products including coil steel, slabs, wire rod, structural and pipe. Camden's Broadway Fresh Produce Terminal has earned a worldwide reputation for the expert handling of bananas, pineapples, and other perishables.

The SJPC also operates the Port of Salem near the entrance to the Delaware River.

## Port of Paulsboro

South Jersey Port Corporation and the Gloucester County Improvement Authority are developing the new Port of Paulsboro marine terminal. When this port with two ship berths opens late next year, it will be the first new marine terminal in 50 years on the Delaware River. The port is the largest economic development project ever undertaken in Gloucester County.

The Paulsboro port is on 130 acres that had been the BP Oil Paulsboro Terminal, and 60 acres that was Dow Chemical's former Essex Chemical plant. The site is directly across the river from the Philadelphia International Airport. Rail service will be available directly from the new port.

## **Freight Rail**

New Jersey is served by three freight railroads: CSX, Norfolk Southern, and Conrail.

## CSX

CSX Corporation, together with its subsidiaries based in Jacksonville, Fla., is one of the nation's leading transportation suppliers. The company's rail and intermodal businesses provide rail-based transportation services including traditional rail service and the transport of intermodal containers and trailers.





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Overall, the CSX Transportation network encompasses about 21,000 route miles of track in 23 states, the District of Columbia and the Canadian provinces of Ontario and Quebec.

#### CSX New Jersey Operations

- Operates over and maintains nearly 1,000 miles of track.
- Maintains nearly 120 public and private grade crossings in New Jersey.
- Handled more than 831,000 carloads of freight in New Jersey during 2011.
- In 2011, CSX invested more than \$2 million in its New Jersey network.
- Products shipped in New Jersey include intermodal containers, ethanol, light trucks, municipal and construction waste and refrigerated food products.
- Major rail yards in Newark (Oak Island), South Kearny, North Bergen, and Manville
- Intermodal terminals in North Bergen, Little Ferry, South Kearny, Elizabeth (Millennium Marine Rail on-dock terminal), and Newark (PNCT on-dock terminal).
- TRANSFLO terminal in Elizabeth.
- Automotive distribution centers in Ridgefield and Newark (Doremus 1 & 2)

#### Norfolk Southern

Norfolk Southern Corporation is one of the nation's premier transportation companies. Its Norfolk Southern Railway subsidiary operates approximately 20,000 route miles in 22 states and the District of Columbia, serves every major container port in the eastern United States, and provides efficient connections to other rail carriers. Norfolk Southern operates the most extensive intermodal network in the East and is a major transporter of coal and industrial products.

Norfolk Southern serves every major port on the East Coast between New York City and Jacksonville, Fla., and multiple private terminals; the Gulf ports of Mobile, Ala., New Orleans and St. Bernard; Great Lakes ports; and numerous river ports.

Norfolk Southern has a major rail classification yard in Allentown PA, just west of Hunterdon County.

#### Conrail

As a terminal and switching agent for its owners, CSX Transportation and Norfolk Southern, Conrail provides rail service for many local rail freight customers in Detroit, New Jersey and Philadelphia. Customers located along Conrail's lines in these *shared asset areas* have access to



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the nation's rail network through either NS or CSX. As a local rail service provider, Conrail moves freight cars between customer rail sidings and the long distance freight trains operated by CSX and Norfolk Southern.

Conrail operates almost 471 miles of track in the northern half of New Jersey. Operations are concentrated in Essex, Hudson, Middlesex, Monmouth, Ocean, and Union counties. The hub of Conrail activities in the region is Oak Island Yard in Newark, with smaller local serving yards in Bayonne, Greenville (Jersey City), Linden, Manville, Metuchen, Newark, Old Bridge, Port Reading (Woodbridge), and Red Bank. In addition to providing local service for customers along the *shared assets* lines, Conrail also provides local freight service along Amtrak's Northeast Corridor between Newark and Trenton and operates an automobile distribution facility in Northern New Jersey for NS and CSX.

In Southern New Jersey, Conrail provides local freight service on virtually all rail lines south of Trenton and provides connections with the short lines serving the remainder of the region. The hub of Conrail operations in the region is Pavonia Yard in Camden, New Jersey. Local serving yards are located at Burlington City, Mount Holly, Paulsboro and Woodbury.

### **Passenger Rail and Bus**

New Jersey has an extensive system of passenger transportation options. New Jersey Transit operates commuter rail services over several lines, as well as three light rail systems. The PATH system connects New Jersey and Manhattan, and Amtrak provides long-distance services to several locations in the State. SEPTA and PATCO connect New Jersey with Philadelphia. Several companies provide extensive bus services throughout the State. Ferry service is also available to Manhattan.

#### New Jersey Transit

NJ TRANSIT is New Jersey's public transportation corporation. Covering a service area of 5,325 square miles, NJ TRANSIT is the nation's third largest provider of bus, rail and light rail transit, linking major points in New Jersey, New York and Philadelphia.

The agency operates a fleet of 2,027 buses, 711 trains and 45 light rail vehicles. On 236 bus routes and 13 rail lines statewide, NJ TRANSIT provides nearly 223 million passenger trips each year.



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Five of NJ Transit's rail lines offer commuter service directly into New York's Pennsylvania Station. Four other lines connect with New York service in Secaucus and Newark. The Atlantic City line connects Atlantic City with center city Philadelphia.

Three NJ Transit light rail lines provide service within the City of Newark, in the Bergen-Hudson corridor along the Hudson River, and from Trenton to Camden on the River Line through several Delaware River communities.

The connectivity provided by NJ Transit allows New Jersey residents to travel from most of northern New Jersey to Atlantic City near the southern end of the State solely by commuter rail, a transportation convenience not available in any other state.

#### PATH

The Port Authority Trans-Hudson (PATH) system operates subway-type rail cars on two primary routes: Newark/Hoboken to Manhattan's World Trade Center, and Journal Square/Hoboken to 33<sup>rd</sup> Street in Manhattan. The PATH trains provide connections to NJ Transit commuter rail in Hoboken and Newark.

#### AMTRAK

AMTRAK's Northeast Corridor line travels through New Jersey between Trenton and New York. Frequent service is provided at the Trenton, Metropark (Iselin), and Newark stations, and additional train service is available at Princeton Junction and New Brunswick.

AMTRAK's Northeast Corridor is the railroad's prime route, with frequent Acela service connecting Washington, Philadelphia, Newark, New York, and Boston. Several long-distance trains to the South and Midwest also stop in New Jersey. Newark and Trenton are among the 25 busiest Amtrak stations in the country.

#### SEPTA

The Southeastern Pennsylvania Transportation Authority (SEPTA) operates an extensive rail system in the Philadelphia metro, including the Trenton line and the West Trenton line, which both provide commuter rail service into center city Philadelphia. The Trenton line trains connect with NJ Transit service to Newark and New York. SEPTA buses also serve several southern New Jersey communities.



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### PATCO

The Port Authority Transit Corporation (PATCO) operates the PATCO high-speed rail line between Philadelphia and several southern New Jersey communities, including Newark and Lindenwold. Connections are available to the NJ Transit Atlantic City rail line and the River Line.

### Independent Bus and Ferry Lines

Several companies operate frequent bus service within New Jersey and to Manhattan and Philadelphia. Most of the service to Manhattan uses the Port Authority Bus Terminal (PABT) on Manhattan's west side.

Commuter ferry service to Manhattan is also available from locations along the Hudson River (Hoboken, Jersey City, Weehawken) and from Monmouth County.