

FEDERAL EXPRESS NEWARK - EWR



OWNER

FEDERAL EXPRESS
CORPORATION—FEDEX

OWNER'S REPRESENTATIVE

HARRY HEARON, FEDEX

BNP PROJECT DIRECTOR

DAVID BOOTH

LOCATION

NEWARK INTERNATIONAL AIRPORT
NEWARK, NJ USA

COMPLETION DATE

1988

MHS CONTRACT AMOUNT

US \$5 MILLION

REFERENCE

MR LARRY FUTRELL
SENIOR ENGINEER
2930 AIRWAYS BLVD
MEMPHIS, TN 31832
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SCOPE OF SERVICES

CONCEPTUAL DESIGN
DESIGN DEVELOPMENT
CONTRACT DOCUMENTS
BIDDING AND PROCUREMENT
CONSTRUCTION MONITORING

RELEVANCE

AUTOMATED CARGO SYSTEM

BNP was retained by Federal Express (FedEx) in 1981 for conceptual planning of the Cargo System at the Newark International Airport Facility.

This facility was designed to serve as the North East Regional Hub as prototype of the Metroplex or mini-hubs for bypass of the Memphis SuperHub.

High speed container transfer was achieved by direct-to-aircraft docking systems at the airside interface.

Truck docks lifts allow multiple landside transfers. Conveyor lines between the airside/landside provide the load/unload positions for the packages

A container highway allows cargo containers to circulate according to sortation requirements.

In subsequent phases (1985 and 1988) extensive package and document conveying and sortation systems were installed. Freighter side-door docking allows direct ULD transfer from 727 and DC-10 type aircraft.

The facility and system are modular in design with the final configuration being able to more than double the throughput capacity of the initial implementation. System capacity is for 1500 pieces per hour in the package handling system and 100 containers per hour in the automated handling system.

The facility was developed over three main phases, with BNP participating in all three phases.