

# FEDERAL EXPRESS CORPORATION, NEWARK, NJ

## Air Express Package Sortation Facility



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**OWNER**

FEDERAL EXPRESS CORPORATION

**LOCATION**

NEWARK, NJ

**CONTRACT AMOUNT**

US \$ 35 MILLION

**BUILDING SIZE:**

APPROX. 250,000 S.F

**SCOPE OF SERVICES**

CONCEPTUAL AND SCHEMATIC  
DESIGN FOR ENTIRE FACILITY AND  
SORTATION SYSTEM CONTRACT  
DOCUMENTS, BIDDING, AND  
IMPLEMENTATION OF PACKAGE  
HANDLING SYSTEM

Several years ago, after extensive investigations of long range planning alternatives, Federal Express concluded that the optimum solution to accommodate the unprecedented volume projections as well as to increase the capacity limitations in the Memphis Super Hub, mini-hub facilities should be developed at key airport locations across the United States. The first of these facilities, referred to as "Metroplexes," was destined for Newark, which generates approximately 15 percent of Federal's total volume. After careful search and evaluation of consulting firms which could undertake a project of this scope and magnitude, Federal selected BNP as its Material Handling Consultant for the Newark Metroplex.

This facility serves as the Federal Express North East Regional Hub for processing of express air courier shipments. The facility has been developed over three main phases with BNP participation in each phase. The original 1981 concept was designed primarily to permit very fast transfer of air container loads of packages from aircraft to delivery truck, and vice-versa, which was achieved by the provision of dedicated cargo freighter nose-docks, connected to a series of landside truck docks by a powered conveyor distribution (container highway) system. In subsequent phases (1985 and 1988) extensive package and document conveying and sortation systems were added, and additional nose dock and other container handling systems were installed, to accommodate the evolving needs of the Federal Express operation.