

# LAGUARDIA AIRPORT, QUEENS, NY DELTA AIR LINES – NEW TERMINAL C



Image by Corgan

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**LOCATION**  
QUEENS, NY

**BHS COST**  
\$90,000,000.00

**HEADHOUSE COMPLETION DATE**  
FALL 2021

**SCOPE OF SERVICES**  
CONCEPT DESIGN  
DESIGN DEVELOPMENT  
CONTRACT DOCUMENTS  
BIDDING AND PROCUREMENT  
CONSTRUCTION ADMINISTRATION

The New Delta ARP (Airfield Reconfiguration) Terminal Project at LaGuardia Airport in New York is a new terminal for Delta Air Lines that will replace their existing C and D Terminals. The new terminal will consist of 37 gates located across four concourses.

BNP has been providing BHS Design Consultancy Services to Delta Air Lines since 2016 for the project and was the BHS Engineer of Record for the existing Terminal D Inline screening system as well as the existing Terminal C Inline Screening System and outbound sortation systems.

The new Outbound BHS consists of an Inline Screening System with four (4) Smiths Detection CTX9800's. The CBIS and CBRA layout is PGDS v6.0 compliant and is fed by two new ticket counter subsystem, Sky Priority Subsystem, Six Curbside subsystems and two group check-in subsystems. Future provisions for a Delta One check-in subsystem and two (2) additional curbside subsystems have been maintained.

The new outbound sortation system consists of two mainlines, early bag storage and eight (8) make-up devices with future provisions to be able to add three (3) additional make-up devices. Combined ATR and RFID technologies are being utilized for tracking and sortation purposes.

The BHS Upper Level control system is configured with redundant virtual machines running on geographically redundant host servers.

The Inbound BHS consists of six (6) incline plate claim devices with future provisions to be able to add one (1) additional device. Each Inbound subsystem will be equipped with RFID technology to facilitate IATA 753 compliance.

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