

# REGIONAL JET GATE DESIGN NORTHWEST AIRLINES – MULTIPLE LOCATIONS



## **OWNER**

NORTHWEST AIRLINES, INC.  
UNITED AIRLINES

## **BNP PROJECT MANAGER**

ED VALENTE / DON BASSETTE

## **LOCATION**

CHICAGO, IL; COLUMBUS, OH;  
LITTLE ROCK, AZ; MEMPHIS, TN;  
MINNEAPOLIS, MN; TULSA, OK

## **COMPLETION DATE**

VARIOUS

## **CONSTRUCTION CONTRACT**

### **AMOUNT**

US \$17.1 MILLION

## **REFERENCE**

GARTH GUYER  
NORTHWEST AIRLINES, INC.  
5101 NORTHWEST, DEPT. A1130  
ST. PAUL, MN 55111-3034  
PHONE: (612) 726-6697

## **CHUCK MINOR**

REGIONAL MANAGER  
UNITED AIRLINES  
O'HARE INTERNATIONAL AIRPORT  
TERMINAL ONE, CONCOURSE "C"  
BASEMENT LEVEL  
MAINTENANCE DEPT. ORDPV  
CHICAGO, IL 60666  
PHONE: (847) 700-6504

## **SCOPE OF SERVICES**

CONCEPTUAL DESIGN  
DESIGN DEVELOPMENT  
CONTRACT DOCUMENTS  
BIDDING AND PROCUREMENT  
CONSTRUCTION MONITORING

## **RELEVANCE**

CONSTRUCTION ADMINISTRATION  
FOR APRON SYSTEMS

Over the past 5 years, the use and popularity of the Regional Jets have dramatically increased. With the expanded use of the Regional Jets, the airlines have been expanding and upgrading their facilities providing for Passenger Loading Bridge Service.

Unique design challenges are presented with the Regional Jets. The low door sills, door swings and aircraft control / communication sensors require special attention to the placement, selection of type and special design of the passenger loading bridges. BNP philosophy in providing Regional Jet passenger loading bridge service is to mate the PLB to the aircraft without the use of a manually placed boarding plank, offering the passenger the maximum protection against the elements and protected environment.

BNP is pleased to be a major player in the development and construction of the Regional Jet facilities. Over the past six years, BNP has provided design and contract administration services for eighty-one (81) Regional Jet Gates at over six airport locations. Working with two of the major suppliers of regional jet passenger loading bridges and two contractors involved with PLB modifications for Regional Jet equipment, BNP has identified and addressed industry concerns. In one instance, a major design change was implemented based upon BNP analysis and recommendations.

A unique issue facing the industry today is how best to return plan checked luggage to the customer at the arrival location. BNP has developed and implemented three solutions. The first solution consists of a lift assembly interfaced with the PLB rotunda or cab. The second solution provides for an oversize vestibule between the PLB and building where the lift can be accessed. In the third solution, the lift provided valet bag claim delivery inside the Terminal holdroom.



ASSOCIATES, INC.

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# PROJECT BRIEF

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