



# SEATTLE-TACOMA INTERNATIONAL AIRPORT

Seattle, Washington

## Zone 7 Ticket Counter Reconfiguration

Alaska Airlines | 2015 – 2016

Alaska Airlines retained BNP Associates, Inc. as the BHS Designer of Record for the Ticket Counter Reconfiguration project at Zone 7 of the Seattle-Tacoma International Airport (Sea-Tac), which serves Alaska Airlines. This project was very fast paced in order to meet Alaska's continued growth. BNP provided design, contract document, procurement, and construction administration services for this project. BNP also assisted the BHS Contractor in the conveyor functionality and programming to assure that all the ticket counters had baggage input windows to maximize throughput.

Alaska Airlines desired to extend their ticket counter configuration model to the far north portion of the Sea-Tac ticketing lobby area, with the intent of duplicating their successful deployment of similar equipment that has been operating for several years. BNP, working directly for Alaska Airlines, in coordination with the other design discipline team members, designed the new equipment and space to accommodate the replacement of existing ticket counter conveyor check-in positions with fully integrated and automated check-in conveyors and self-check units. This type of ticket counter and check-in counter has become Alaska's new standard based on performance, as well as employee ergonomics and safety.

The project design made use of the available space by incorporating a total of 19 new check-in modules, 15 of which were installed on the north portion of the project area for connection into one collector conveyor, with the remaining 4 installed on the south portion to a separate conveyor. These modules consist of input conveyor, scale/tagging conveyor, and collector belt to speed up the check-in process. This project was phased so that the south check-in counters were completed first so that Alaska Airlines could utilize and start operations while the larger portion was under construction.

BNP also directed the design and installation of the check-in counters and self-tag podiums.

The project team organization was unique on this project because the electrical/communication designer was a subcontractor to BNP. Additionally, the electrical and mechanical installation contractors were under the direct supervision of BNP during fabrication and construction activities. This additional responsibility provided BNP with further control over the project that extended beyond the design and into the installation efforts. The on-time project delivery resulted in both the successful deployment and continued operation of the design. Temporary construction provisions during the construction phase ensured that the impact to existing operations was minimized.



ASSOCIATES, INC.

### BNP PROJECT TEAM

David Mecartney, Principal  
Terry Cochran, Project Director

### BHS CONSTRUCTION AMOUNT

\$1.2 Million

### REFERENCE

Gabriel N. Orvold – Seapz  
Alaska Airlines / Horizon Air  
Corporate Real Estate –  
Project Manager  
P - 206.392.5179 (Ext. 25179)  
F - 206.392.5031 (Ext. 25031)

### SCOPE OF SERVICES

Design Development  
Contract Documents  
Bidding and Procurement  
Construction Administration  
Testing/ Commissioning