



DANIEL K. INOUE INTERNATIONAL AIRPORT

Honolulu, Hawaii

Terminal 1 & 2 Phase 1

State of Hawaii Dot-A | 2018 - 2020

The project is the initial phase of a major DOT-A effort to advance baggage handling efficiencies at the Honolulu Daniel K. Inouye International Airport. Baggage Handling System Improvements Phase 1 is the initial segment of retrofit modifications to the legacy outbound baggage handling systems at the HNL airport's Terminal 1 and Terminal 2.

The existing baggage handling systems within the Daniel K. Inouye International Airport contain legacy equipment that have been in operation well past their serviceable life. Over the years, parts availability has decreased for some of the older legacy equipment. In some instances, parts have had to be salvaged from unused or abandoned equipment to make repairs. High repair cost and time are a result of the age of the equipment. Replacing the make-ups in Lobbies 5 and 7 will decrease maintenance costs and increase system availability by decreasing repair times. The Lower-Level Controls (PLC) utilized in Lobby 2, 3, & 8 have reached the end of their serviceable life and are no longer supported, making maintenance and repair work costly. In addition to this, there is a need for fiber connection between lobbies and the BHS control room as access is currently enabled through the use of a VPN. Furthermore, the changes being proposed to Lobby 8 offer more efficient sortation and reduce the sortation BHS footprint significantly, allowing room for future BHS projects.

The subject segment will upgrade select conveyor sortation and controls at Terminal 2 (Overseas) - Lobbies 5, 7 and 8, and at Terminal 1 (Interisland) - Lobbies 2 and 3.

- Lobbies 2&3 replacement and centralization of Lower-Level PLC controls to the BHS Control Room
- Replacement of all three (3) Lobby 5 outbound make-ups and adjustment of associated feeds
- Replacement of two (2) make-ups in Lobby 7 and replacement of the associated feeds
- Replacement of the Lobby 8 sortation loops as well as replacement of existing sort piers with make-up devices in Lobby 8
- Replacement of Lobby 8 PLCs including their installment in a new rack/enclosure in the United BSO



ASSOCIATES, INC.

BNP PROJECT TEAM

Dave Mecartney, Principal
Cal Trudeau, Project Director
Mitch Ellingson, Project Manager

TOTAL CONSTRUCTION AMOUNT

US \$32 Million

BHS CONSTRUCTION AMOUNT

US \$24 Million

REFERENCE

State of Hawaii
Department of Transportation
Airports Division
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SCOPE OF SERVICES

Conceptual Design
Design Development
Contract Documents
Bidding and Procurement
Construction Monitoring