



 Lobby 2  Lobby 3  Mauka

Daniel K. Inouye International Airport

Honolulu, Hawaii

Lobbies 2, 3 and Mauka Concourse

State of Hawaii Dot-A | 2018 – 2022

The existing screening capacity in Lobby 2 is comprised of four L3-6000 EDS screening machines (3 non-redundant and 1 redundant) and Lobby 3 with two L3-6000 EDS screening machines. Each screening machine has design capacity of 400 BPH and a total capacity of 1200 BPH in Lobby 2 for the non-redundant EDS and 800 BPH in Lobby 3, therefore the forecasted bag screening demand cannot be met by either screening system. Replacing one for one the existing EDS with the new screening machines in either Lobby 2 CBIS or Lobby 3 CBIS is not possible since the new EDS devices require a greater number of queues prior to EDS in order to accommodate a higher volume of bags being processed than the existing EDS.

The current baggage make-up needs for outbound flights in Lobby 2 and Lobby 3 are performed on 4 make-up devices, with 2 located in each Lobby for a total cart presentation of approximately 30.

An analysis was performed based on provided summer 2018 flight operations for Hawaiian Airlines in Lobby 2, 3 and future building Mauka. Three new non-redundant and one redundant EDS screening machines (L3 6700 ES) with a medium bag throughput (651 BPH adjusted for the average bag length) are required to meet the forecasted bag demand for design year 2026. The forecasted total cart presentation for design year 2026 is 89 presentation carts.

A new centralized in-line CBIS/CBRA that will process bags checked in Lobby 2, 3 and the future building Mauka will replace the two existing CBIS/CBRA located in Lobby 2 and Lobby 3. The new centralized in-line CBIS/CBRA will be compliant with PGDS v6.0 requirements, will incorporate agricultural screening and will free up space for additional make-up devices that are required to meet the forecasted bag demand for design year 2026.



ASSOCIATES, INC.

BNP PROJECT TEAM

Dave Mecartney, Principal
Cal Trudeau, Project Director
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TOTAL CONSTRUCTION AMOUNT

US \$68 Million

BHS CONSTRUCTION AMOUNT

US \$27 Million

REFERENCE

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SCOPE OF SERVICES

Conceptual Design
Design Development
Contract Documents
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Construction Monitoring