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## PROJECT PORTFOLIO - TRANSIT SYSTEMS

# KAHULUI AIRPORT AUTOMATED PEOPLE MOVER

MAUI, HI



*March 2019: The Kahului People Mover Begins Passenger Service at the End of Construction*

**THE KAHULUI INTERNATIONAL AIRPORT (OWNER) ON THE ISLAND OF MAUI, HAWAII BUILT A NEW TRAM SYSTEM TO CONNECT THE AIRPORT CONSOLIDATED RENTAL CAR (CONRAC) FACILITY ADJACENT TO ITS AIRPORT TERMINALS. THE TRAM PROVIDES AIRPORT PATRONS, EMPLOYEES, AND VISITORS WITH A QUICK AND PLEASANT CONNECTION. SDI WAS RESPONSIBLE FOR THE DESIGN, MANUFACTURE, ASSEMBLY, INSTALLATION, TESTING, AND COMMISSIONING OF TWO NEW TRAM VEHICLES, TRAM CROSSING AND WARNING SYSTEMS, AND TRACK SWITCHES TO ACCOMMODATE ADDING OR REMOVING TRAMS BASED ON DAILY PASSENGER DEMAND CYCLES.**



## TRANSIT DIVISION: KAHULUI INTERNATIONAL AIRPORT APM

Schwager Davis, Inc. (SDI) was the Tram System Supplier responsible for a significant portion of the total project scope of work on this new system. In this project, SDI was subcontracted under the Hawaiian Dredging Construction Company (the Prime Contractor for the construction of the CONRAC). SDI's scope of work was the **design, manufacture, assembly, installation, testing, and commissioning** of the following:

- *Two new trams (each tram consists of two cars; thus, four cars total)*
- *Two Track Switches that allow dual tram operation for peak capacity hours*
- *Tram Crossing Warning subsystem*
- *System Elements required to support Tram Operation:*
  - *Guideway and guideway equipment*
  - *Power distribution equipment*
  - *Communication equipment*
  - *Maintenance facility equipment*

periods, saving energy and increasing system longevity.



There may be no other system in the world quite like Kahului's due to three pedestrian crossings that the tram system interacts with. SDI designed, manufactured, tested, and installed crossing gates that pause pedestrian traffic as a tram approaches and open when the tram is clear. This is all done automatically by a wayside control system.

This challenging, custom system showcases the experience, knowledge, and insightful professional competence of SDI's transit team of engineers, technicians, and construction workers as they responded to tram specifications outside the typical installation prevue to produce a state-of-the-art tramway meeting the visual and functional desires of the Owner.



Per the Owner's vision, 70% of this tram runs at-grade and connects the new rental car facility to the airport terminals. Kahului's tram has three stations: Arrivals (Baggage Claim), Departures (Ticketing), and Car Rental. At the departure station, a bypass lane allows for dual shuttle mode for peak passenger capacity