

CONSOLIDATED RENTAL CAR FACILITY

Baltimore / Washington International Airport - Baltimore, Maryland



As a sub consultant to Michael Baker Jr., ALBERSMAN & ARMSTRONG, LTD. (A&A) served as lead planner and rental car liaison. The scope of work included site selection, rental car demand analysis, shuttle bus analysis, functional layout and space allocation planning. A&A staff also conducted monthly meetings designed to solicit input from the rental car industry and achieve consensus on the proposed plan.

Primary challenges of this project were planning for a site that had significant changes in topographical elevation and achieving consensus between the Airport and the rental car industry. The planning solution worked with the topography of the site and allowed for 2,800 ready and return cars at grade in front of the building with storage and service facilities located on the second level and at grade in the back of the garage. Vertical vehicular circulation enables rental cars to be shuttled between storage and ready return areas within individually secured areas. Separate roadways are provided for customer vehicles and jockey vehicles to reduce vehicle conflicts and simplify way-finding for rental or return customers. This solution evolved from a collaborative design process involving the Airport, A&A and the rental car industry.

