



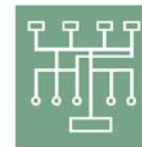
Associates



Engineers



Architects



Systems



Construction
Managers

CONSOLIDATED RENTAL CAR FACILITY (CRCF) CHICAGO, ILLINOIS

**CHICAGO
DEPARTMENT OF
AVIATION**

HOH was selected to design the Consolidated Rental Car Facility (CRCF) at Chicago Midway Airport, HOH is responsible for all civil, structural, architectural, mechanical, electrical, and controls design and engineering. The facility will house eight Rental Car Agencies, which will rent vehicles to the air traveling public. The facility is located directly north of Midway Airport along 55th Street. It will sit on a 350' x 1100' lot and will include a Parking Garage to store the vehicles and a Quick Turnaround Area (QTA) to prepare returned vehicles. The garage will total approximately 846,00 SF. The facility will be designed to handle about 300 rentals and 300 returns per hour.

The Garage will store 2,170 vehicles. It will be a pre-cast concrete structure with a foot print of 330' x 600'. There will be one parking level at grade and four raised levels. The garage will include a Customer Service Area of 19,200 SF with 55 counters to service customers, offices and support facilities.

The Quick Turnaround Area includes structures and facilities for preparing the vehicles including fueling and washing. The QTA will be approximately 100,000 square feet.

Mechanical portions of the job include auxiliary mechanical equipment such as the snow-melter and emergency generator. Automatic Car Wash equipment will be compared and selected. Fuel Islands, canopies and dispensers, tanks and piping will be selected, designed and specified. Other mechanical equipment are lube oil dispensers, distribution and tanks, along with compressed air and windshield wiper fluid. Fire protection will be designed.

Plumbing, piping and venting for all systems will be included. Stormwater collection, detention, and conveyance will be designed for the Quick Turn Around area and Garage, and oil/water separators will be utilized for stormwater treatment. Gas piping will be included with schematics.

HVAC will be designed for all areas in the garage where necessary. The offices in the Quick Turn Around Area will be conditioned through a central VAV controlled system. All necessary steam and/or refrigerant piping will be completed for all facilities.

HOH will prepare installation drawings and specifications. Construction support is included as needed. Site inspections will be required and field investigations are required. Demolition will occur to remove existing structures where the CRCF will be built. A conceptual construction budget has been estimated at \$43 million to include all related soft costs.

