

Snohomish County Jail

Snohomish County, WA

Project Description:

The Snohomish County Jail is an existing detention facility occupying five floors in a shared building with County Correction's Administrative offices. The project required the phased replacement of the security electronic controls in the facility, with minimal disruption of the secure operation. The majority of the existing housing control panels were to be reused, but Central Control, and the high security floor control panels were to be replaced with redundant touch screen control systems. The new high custody touch screens were to be capable of controlling the entire facility in the event of a shutdown of Central Control.

Coincident with the security upgrade, the two detention elevators were to be mechanically upgraded and refurbished as well as having their controls integrated into the upgraded security control system.

Since the facility was to remain occupied and in full operation throughout the replacement and upgrade process, it was mandatory that the work be scheduled and phased to minimize the impacts to staffing and operation of the facility. This was accomplished by upgrading the security system one level at a time, and by requiring the activation of a temporary central control location while the existing architectural changes were being made to the existing Central Control space to accommodate the new system configuration and components.

ACSI's Responsibilities:

ACSI was initially engaged by the County to analyze the existing security control systems and provide a series of recommended approaches with cost estimates to address the identified problems. When this analysis also indicated significant problems with the operation of the secure elevators, ACSI engaged an elevator consultant to survey the elevators, make recommendations including cost estimates to possible alternative repairs or upgrades.

Following review of the recommendations, ACSI and the elevator consultant were engaged to develop designs, manage bidding and perform construction administration and system checkout of the completed work for both the elevator upgrade and security system replacements. ACSI was also responsible for coordination with the County Architect in designing

and scheduling the needed millwork and structural changes in the existing central control space to improve the functionality of the operation and to accommodate the new equipment.

