



PALM BEACH COUNTY
MAIN JUDICIAL CENTER (MJC)
ELECTRONICS & SECURITY SYSTEM
TECHNOLOGY REPLACEMENT
RECOMMENDATIONS REPORT

Palm Beach County

PROJECT NO. 13220

Kimley»»Horn

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Executive Summary

The Palm Beach County Capital Improvements Division (CID) retained Kimley-Horn & Associates, Inc. (KHA) to perform an assessment of the existing security subsystems currently utilized at the Palm Beach County Main Judicial Center and to provide recommendations for the replacement of the various Electronics & Security System technologies being reviewed which include the following systems:

- CCTV Surveillance and Video Management System (VMS)
- Security Management System (SMS); including Command Center Operator Workstations
- Programmable Logic Controllers (PLCs)
- Duress
- Elevator Override Control
- Card Access
- Intercom System
- Fire Alarm System

The Kimley-Horn team was directed to review documentation provided by PBC to gain a deeper understanding of the existing systems and how these systems have been designed and are intended to operate. Based on that information, the team developed the *Current System Assessment* report that identifies each of the systems functionality requirements. In addition, the team was directed to conduct market research to evaluate the latest applicable known technologies available for consideration. This market research included a review of the latest known versions offered by the manufacturers of the existing systems currently implemented and a review of any alternate known applicable technologies for replacing each of the existing subsystems. Once completed, the Kimley-Horn team was tasked with summarizing the findings and making a proposed recommendation.

The Palm Beach County Main Judicial Center (MJC) was constructed approximately twenty-five (25) years ago and serves as the primary judicial center. This complex is comprised of three (3) separate structures: 1) Main Courthouse (MJC), 2) State Attorney/Public Defender (SAPD) building, and 3) a Central Energy Plant (CEP), collectively totaling approximately 875,000 sf. The security system for this complex consists of the several security subsystems outlined above that are integrated into a custom security management platform. These security subsystems are required to maintain the existing security program and sustain routine daily operations. This report describes each technology along with the replacement recommendation for the existing Security Management System (SMS) and subsystems.

At this time, the current SMS solution and several of the subsystems at the MJC are at their end-of-life and the hardware associated with these subsystems is no longer supported by the respective manufacturers. Although governing standards were adhered to when the building was constructed, certain devices in the facility do not currently comply with the Americans with Disabilities Act (ADA). In addition, servicing of the existing systems is becoming extremely difficult due to the lack of available parts. These systems are a fundamental component of ongoing operations, and no alternative facilities are available as a temporary replacement in the event of any systemic failure. Although implementing a replacement project of this magnitude is a significant undertaking with several inherent challenges, the risk associated with not proceeding with this effort is of even greater

consequence as it could result in the loss of ability to receive alarms (e.g. duress alarms, system status/failure alarms, etc.), failure of locking controls (e.g. at detention doors) and elevator controls; which make the facility less secure and compromises the overall functionality and public safety within the facility.

It is important to maintain the current level of integration implemented at the MJC with this replacement project. As such, the recommendation outlined in this report may specify that certain systems be replaced with a current day technology version of the existing system in order to maintain this integration. As a result, the proposed solution may offer added functionality due to modern advanced technology. However, even more important than maintaining the current level of integration is maintaining the day-to-day operations of the facility, which cannot be interrupted while implementing the replacement of these systems. In order to accomplish this, a detailed phasing plan must be developed and coordinated with the County in advance of any work to ensure a seamless transition as the systems are cut-over.