



County of Milwaukee
Office of the Sheriff

David A. Clarke Jr.
Sheriff

February 13, 2014

To: Supervisor Marina Dimitrijevic, Milwaukee County Chairwoman
From: Richard Schmidt, Inspector, Milwaukee County Sheriff's Office
Subject: **Informational report from the Office of the Sheriff regarding the Five Year Capital Improvement Plan Submission (2015-2019)**

Issue

Milwaukee County Ordinance Chapter 36.04 requires all Departments to submit five-year capital improvement program (Program) requests to their respective standing committees. Standing committees shall then submit Programs along with recommendations to the Capital Improvements Committee (CIC).

Background

The purpose of the CIC is to develop a Program for the entire County and establish criteria on how each capital project will be evaluated. The ordinance also requires Departments to submit Programs to their respective standing committees, which will then forward their recommendations to the CIC.


Request

The Sheriff's Office has evaluated its anticipated maintenance and facility needs. The attached includes the Department's outstanding capital needs, listed in priority order.

The Sheriff's Office capital needs include technology and software upgrades (software versions are from 1998 and 1997), replacement of physical items that have exceeded their useful life and necessary plan upgrades and repairs.

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Richard R. Schmidt

Inspector

Milwaukee County Sheriff's Office

Cc: Chris Abele, County Executive
Amber Moreen, Chief of Staff, County Executive's Office
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Department Name Milwaukee County Sheriff's Office
2015

Rank	Project Number	Project Name	Total Cost	Reimbursement Revenue	County Financing	Project Description/Annual Operating Impact
1	WO448	Replace Video Visiting System at CJF	\$1,542,170		\$1,542,170	The current video visiting system is very fragile. The workstation and server need to be rebooted in between visiting sessions(4 times each day) and the station equipment is unreliable. If the system permanently fails the public will not be able to visits inmates at county correctional facility central. There is no alternative method for the public to visit their loved ones that are incarcerated at CJF. The video portion of the system failed during 2013. Currently only audio is functioning.
2		CJF Complex camera system replacement	\$2,300,000		\$2,300,000	The entire camera system in all the jail as well as bullpens in the Courthouse and Safety Building are past their end of life cycle. To insure the safety and security to inmates, staff and the general public as well as the ability to prove accountability in criminal and civil matters facing Milwaukee County.
3	WO447	Replace Court Bullpen camera system	\$553,808		\$553,808	The camera system is from the 1990's. It is poor quality, black and white and not recorded. Safety and security of inmates, staff, and attorneys is being compromised.
4	WO450	Iris Scan Enrollment and Reading System	\$117,659		\$117,659	Biometric identification. More reliable than fingerprints and can not be counterfeited.

5	WC053	Video Court/Conferencing	\$740,066		\$740,066	A solution that allows for defendants to appear via a video connection. This would significantly reduce transportation costs, Bailiff's time to retrieve and return inmates.
6	WO452	Firing Range, Target System Ventilation	\$100,000		\$100,000	Install variable speed drive motors to assist in ventilation on all four firing ranges.
7		Milw Co. EOC Wireless Capability Upgrade (Training Academy)	\$35,717		\$35,717	The Wireless system supports the computer connectivity for the Emergency Operations Center (Classrooms 1-4) at the Training Academy. This project will increase capacity to connect 25 more devices, enhancing capability from 35 to 60 wireless devices. Note: Without an upgrade, the current wireless system could be subject to intermittent operation and service interruptions and could have a negative impact on EOC operations that support life safety during a disaster response.
8		Panasonic Arbitrator in Squad Camera System	\$310,000		\$310,000	Currently only 40% of the Sheriff's marked squad fleet have in squad camera system. The rest is already end of life and not functioning. Officer safety and evidentiary issue.
9		Interview Video Recording System in CID used by MCSO and other Agencies	\$49,000		\$49,000	CID interview video recording system is end of life. Contractor is no longer in business. System is not always running and interviews MUST be recorded. Other agencies also rely on our system.
10	WO412	Automated License Plate Readers (ALPR) to outfit four (4) squad cars	\$117,000		\$117,000	ALPR is a law enforcement tool to capture license plate data. It has been used to successfully locate and solve crimes as well as for traffic enforcement. MCSO has two units currently that are NO LONGER operational and end of life. Highly effective LE tool.

11		Wolke Gym Improvements - Gym Floor & Running Track (Phase One)	\$60,000		\$60,000	The Wolke Gym and locker rooms are in poor condition. Running track is very poor. Soon could be a liability issue. Wood Gym floor is used by numerous county departments outside of the MCSO.
12		Civil Process - Workstations /Area Development	\$85,000		\$85,000	Replacement of existing workstations, computers, monitors, printers, installation of lock boxes for cashiers and the replacement of the glass panel front (civilians)
13		Communications - Workstation Console Replacement	\$250,000		\$250,000	Dispatch workstations to include computers, monitors and printers
14		Communications - Cooling System	\$142,000		\$142,000	Installation of an additional cooling system to provide cooling for servers and 911 equipment to prevent overheating and failure
15		LEAD - Remote Video Camera Solution	\$200,000		\$200,000	Remote video monitoring solution for Lakefront and Parks
16		LEAD - OnBase Scanning	\$100,000		\$100,000	Electronic Document Solution for case files, warrants, civil process, and othe document storage needs.
17		Community Policing - Workstations / Area Development	\$50,000		\$50,000	Installation of officer workstations, computers, monitors, printers in addition to carpeting and painting of the area.
18		Training Academy -Controlled turning target system	\$140,000		\$140,000	Dismantle and remove the antiquated and failing target carrier system, the removal of which is considered hazardous material on three ranges and replace with a new, computer controlled high-speed target system.
19		Training Academy - Audio Video System	\$96,000		\$96,000	Upgrade the current system which is used for training purposes in the classrooms and lecture hall.
			\$6,988,420	\$0	\$6,988,420	

Department Name Milwaukee County Sheriff's Office
2016

Rank	Project Number	Project Name	Total Cost	Reimbursement Revenue	County Financing	Project Description/Annual Operating Impact
1		Wolke Gym Improvements - Locker Rooms - Women's & Men's (Phase Two)	\$60,000		\$60,000	The Wolke Gym and locker rooms are in poor condition. Running track is very poor. Soon could be a liability issue. Wood Gym floor is used by numerous county departments outside of the MCSO.
2		Communications - Radio Counsel Replacement	\$1,330,320		\$1,330,320	911 Radio Counsel upgrade to replace existing radio equipment to ensure continued operation on the digital 911 system
3		Communications - Dispatch back-up site	\$552,000		\$552,000	Located at the MCSO Training Academy - To ensure continued, consistent operations as an alternative site for communications
4		Training Academy carpeting	\$43,000		\$43,000	The carpeting in Lecture Halls A & B is worn and tearing and needs replacing (installed in 2002).
5		Training Academy - Boiler System Heating / Cooling	\$65,000		\$65,000	Replace the two boiler systems for the Academy due to end-of-life / efficiency.
6		Fiscal - Replace inmate trust accountin system	\$100,000		\$100,000	Replace inmate trust account management system with a double entry, realtime accounting system that interfaces with Advantage.
7		Training Academy - Closed-circuit Camera System	\$58,000		\$58,000	Add a recordable, closed-circuit camera system in the training areas to assist with training.
8		Courts-Renovation of bullpens (Safety Building 502 & 506 and Courthouse 635 & 608)	\$750,000		\$750,000	The bullpens are not secure and desperately need to be repaired/ remodeled to prevent inmates from escaping while they wait for their court proceedings.
9		PSB Fast ID remote booking 30 units	\$180,000		\$180,000	Fast ID units would allow Deputies to identify and process inmates remotely.

10		CJF-Replace existing camera system to be county compliant	\$1,200,000		\$1,200,000	Existing camera system is approximately 10 years old, uses coaxial technology and is not county compliant. These cameras are essential to providing a safe and secure environment.
11		CJF-Install full body scan machine in door way from search to booking	\$100,000		\$100,000	Inmates utilize body parts to conceal weapons that will severely compromise the safety and security of the institution
12		CJF-Install Key Watcher System	\$300,000		\$300,000	Security is the primary concern of MCSO. Keys at CJF need to be more secure with a automated logging system as to the parties taking possession of the keys. This system uses a fingerprint of the user and only allows them access to keys they are permitted to have.
13		CJF-Add Cameras in areas currently not under surveillance- i.e. floor control area/elevators/kitchen/ linen/dish room/jail records/ property room/cashier area	\$500,000		\$500,000	There are several areas at CJF where inmates are, money and property is received and disbursed, and confidential information needs to be secure. Cameras will deter inappropriate activities and be useful in pursuing charges.
14		ADM-Training Academy Upgrade current audio/visual and teaching aids in all classrooms	\$100,000		\$100,000	The useful life of the hardware and software has been exceeded. The equipment is failing and not compatible with other agencies systems that utilize the facilities for teaching.
15		ADM-Radio/Battery Charger replacement (3 year)	\$275,000		\$275,000	Radios/ Batteries and charges have a specific life expectancy. 24/7/365 operations need to replenish worn out equipment every 3 years on a rotating basis.
16		PSB Radar and Laser equipment (3 year)	\$60,000		\$60,000	Radar and Laser equipment must meet certain performance standards. As this equipment ages the calibrations no longer are accurate and the equipment needs to be replaced.

17		ADM-Hardware and software upgrades for communications	\$2,000,000		\$2,000,000	Communications/dispatch requires software upgrade to be compatible with other law enforcement agencies and to improve productivity.
18		PSB- Replace Upgrade In-Squad computers (3 year project)	\$75,000		\$75,000	As computers exceed their useful life they need to be replaced.
19		PSB Airport Computer hardware and software upgrades	\$55,000		\$55,000	As computers exceed their useful life they need to be replaced.
20		PSB CID Computer hardware and software upgrades	\$100,000		\$100,000	As computers exceed their useful life they need to be replaced.
21		CJF-Upgrade kitchen	\$125,000		\$125,000	The CJF kitchen needs to increase its capability to prepare and serve meals. The current equipment is antiquated and insufficient to handle 1000 meals 3 times per day 24/7/365.
22		CJF-Remodel jail records	\$250,000		\$250,000	Jail records is staff 24/7/365. The staff is not assigned a specific desk and may sit at a variety of desks throughout the work week. The furniture takes a beating and needs to be replaced. The area also needs to be reconfigured to allow for areas to store staff outerwear and belongings.
23		CJF-Elevator maintenance	\$75,000		\$75,000	The elevators in the facility are in use 24/7/365 and are user heavy.
24		CJF-Replace analog TV's with digital	\$150,000		\$150,000	90% of the Televisions in the housing units are analog. This technology was replaced by digital several years ago.
25		CJF-Install antenna on roof for television reception	\$150,000		\$150,000	A television antenna would allow MCSO to eliminate cable television costs. Television reception would be free using the antenna to view local station broadcasts.
26		CJF-Install Jail Video system for video playing of informative videos to housing units	\$100,000		\$100,000	This is an automatic feed to all of the televisions in the institution. The videos would be instructional as to expectations while incarcerated.

27		CJF-Repair pneumatic tube system	\$350,000		\$350,000	The pneumatic tube system in the building is a great tool to expedite the delivery of paperwork throughout the facility.
28		CJF-Implementation of On Base (Document Management System) to automate workflow and process for Booking, Warrants, & Courts Division	\$800,000		\$800,000	The paperwork shuffle between the courts and various divisions of the agency needs to be managed and controlled to prevent safety and security issues from arising.
29		CJF-New filing system for jail records.	\$500,000		\$500,000	This area stores thousands of paper records on open shelves. The records need to be secured and easy access. The open filing systems need to be replaced.
30		CJF-Renovate 4D sealing open grates, replace window film and install higher railings in all four sub-pods	\$150,000		\$150,000	4D is the maximum security area with the inmates that are the most dangerous. Higher railings will prevent inmates from jumping off the mezzanine. Sealing the grates will eliminate the security risk of inmates expelling bodily fluids at passersby. The film allows officers to watch the inmates, but the inmates can not see the officers.
31		COURTS-Renovation of Courts Roll call room (new furniture, carpet, paint, projection and computer system)	\$250,000		\$250,000	The roll call room for the Court Deputies needs to be remodeled to accommodate over 100 people for roll call. It is also used for the Sheriff's auction. Data ports and communication lines need to be upgraded as well.
Total			\$10,803,320	\$0	\$10,803,320	

Department Name Milwaukee County Sheriff's Office
2017

Rank	Project Number	Project Name	Total Cost	Reimbursement Revenue	County Financing	Project Description/Annual Operating Impact
1		On-site metal storage facility	\$50,000		\$50,000	Erect a 40' X 40' on-site metal storage building to include a concrete slab underneath with electricity for cold storage.
2		Replace lighting at Academy	\$50,000		\$50,000	Replace the existing lighting with energy efficient LED lights
3		CJF-Secure the dock with doors in the main hallway operating on a schlage and timer system	\$95,000		\$95,000	The hallway to the dock presents a escape risk for inmates working in the kitchen.
4		PSB Radar and Laser equipment (3 year)	\$60,000		\$60,000	Radar and Laser equipment must meet certain performance standards. As this equipment ages the calibrations no longer are accurate and the equipment needs to be replaced.
5		CJF-Computer equipment and software upgrades (3yr project)	\$150,000		\$150,000	Advances in Computer Hardware, software and technology necessitate upgrades every three years. MCSO is still using software installed for Y2K (Office97) and equipment from the same era.
6		PSB- Replace Upgrade In-Squad computers (3 year project)	\$75,000		\$75,000	As computers exceed their useful life they need to be replaced.
7		ADM-Radio/Battery Charger replacement (3 year)	\$275,000		\$275,000	Radios/ Batteries and charges have a specific life expectancy. 24/7/365 operations need to replenish worn out equipment every 3 years on a rotating basis.
8		ADM-Civil Process computer software/hardware upgrades.	\$75,000		\$75,000	Advances in Computer Hardware, software and technology necessitate upgrades every three years. MCSO is still using software installed for Y2K (Office97) and equipment from the same era.

9		PSB-Wire Mesh camera network at the Lakefront& Parks	\$250,000		\$250,000	This camera system is necessary to monitor activities and can be tied into the city camera system.
10		CJF-Build a dirty linen receiving area	\$350,000		\$350,000	The dirty linen for 900 inmates is currently staged in high risk for escape area and it impedes the view of the master control staff. A separate area needs to be built to house the dirty linen carts.
11		CJF-Computer equipment and software upgrades (3yr project)	\$150,000		\$150,000	Advances in Computer Hardware, software and technology necessitates upgrades every three years. MCSO is still using software installed for Y2K (Office97) and equipment from the same era.
12		CJF-Building repairs (roof, plumbing, electrical, HVAC,) cross charges (3yr project)	\$750,000		\$750,000	The building and its inner workings need to be maintained and replaced on a regular basis as this building is a 24/7/365 operation. 1000 plus people are utilizing the facilities every day.
Total			\$2,330,000	\$0	\$2,330,000	

Department Name Milwaukee County Sheriff's Office
2018

Rank	Project Number	Project Name	Total Cost	Reimbursement Revenue	County Financing	Project Description/Annual Operating Impact
1		CJF-Remodel Booking room including the tower (2 YEAR PROJECT)	\$250,000		\$250,000	The recent additions to the work flow system in the booking room is greatly impeded by the design of the booking room. Screening stations are not as safe as they could be. Inmate medical screening needs more efficient space, the security tower can be removed to accommodate a redesign.
2		CJF-Replace sally port doors	\$500,000		\$500,000	The sally port doors are opened and closed hundreds of times each day 24/7/365. These doors prevent prisoner escapes. They need to be replaced.
3		ADM-Radio/Battery Charger replacement (3 year project)	\$275,000		\$275,000	Radios/ Batteries and charges have a specific life expectancy. 24/7/365 operations need to replenish worn out equipment every 3 years on a rotating basis.
4		CJF-Cleaning of CJF ventilation system	\$350,000		\$350,000	Air flow through this building must be clean. Regular cleaning and maintenance is necessary.
5		PSB Radar and Laser equipment (3 year)	\$60,000		\$60,000	Radar and Laser equipment must meet certain performance standards. As this equipment ages the calibrations no longer are accurate and the equipment needs to be replaced.
6		PSB Predictive Analytics	\$100,000		\$100,000	Software to continue the mission of professional policing based on data and data analysis. This software helps determine where saturations is needed to prevent crime.
7		PSB- Replace Upgrade In-Squad computers (3 year project)	\$75,000		\$75,000	As computers exceed their useful life they need to be replaced.

8		CJF-Computer equipment and software upgrades (3yr project)	\$150,000		\$150,000	Advances in Computer Hardware, software and technology necessitate upgrades every three years. MCSO is still using software installed for Y2K (Office97) and equipment from the same era.
9		COURTS-Replacement of 100 staff lockers and renovation of locker rooms	\$200,000		\$200,000	Lockers are in disrepair and pose a safety risk to those using them.
10		CJF-Replace carpeting in locker rooms and roll call room	\$50,000		\$50,000	The carpet is the original from when the building was built in 1992 and is frayed to the point of seeing the concrete floor beneath it.
11		Remodel/Repair Fiscal Affairs Office - Safety Building Room 224	\$75,000		\$75,000	Paint (walls are cracking & peeling), new carpeting, clean blinds, new furniture.
Total			\$2,085,000	\$0	\$2,085,000	

Department Name Milwaukee County Sheriff's Office
2019

Rank	Project Number	Project Name	Total Cost	Reimbursement Revenue	County Financing	Project Description/Annual Operating Impact
1		CJF-Remodel Booking room including the tower (2 YEAR PROJECT)	\$250,000		\$250,000	The recent additions to the work flow system in the booking room is greatly impeded by the design of the booking room. Screening stations are not as safe as they could be. Inmate medical screening needs more efficient space, the security tower can be removed to accommodate a redesign.
2		CJF-Install double bunks in POD 4C	\$65,000		\$65,000	4C is the only housing unit that does not have double bunking in 16 of the cells. This would allow this housing unit to have the same inmate capacity as the other housing units.
3		CJF-Build storage organization systems on public side mezzanine	\$100,000		\$100,000	Items are stored on the mezzanines of CJF that are no longer needed on a daily basis but may need to be referenced on a regular basis. A racking system needs to be installed to efficiently store all old records that need to be kept on site.
4		Repair/Upgrade B2 Security cell doors	\$260,000		\$260,000	Improve security and cut down on the attempts of suicide.
Total			\$675,000	\$0	\$675,000	