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DECEMBER 2020

Cincinnati District 3
Police Headquarters



Law Enforcement Design Awards

Highlighting trends and innovations in
new law enforcement and public safety facilities

Welcome to the 2020

Design Awards

The Officer Media Group is pleased to present the first annual Law Enforcement Design Awards featuring law enforcement and public safety facilities from across the United States. Twenty-eight facilities, among five categories, submitted by 21 architectural firms, are included in this issue.

The purpose of the Law Enforcement Design Awards is to help educate police chiefs, directors, and local and municipal leaders on trends and innovations in new law enforcement and public safety facilities. This collection of facilities also presents the work of architectural firms that specialize in law enforcement facilities.

Improved efficiency, expanded resources and higher security is required for all law enforcement professionals.

One note: Keep in mind this is a national collection of facilities, and prices will vary greatly depending on the region. Styles vary based on the locale, size, budget and agency responsibilities in the community served.

While we highlight entries with Gold, Silver and Bronze awards, every entry in this issue is a winner for the law enforcement department, agency and community it serves. Improved efficiency, expanded resources and higher security is required for all law enforcement professionals.

The judging process for the Law Enforcement Design Awards was graciously hosted by Police Chief Ron Wilke of the Lisle Police Department in Illinois. The six judges included two police chiefs, three architects specialized in law enforcement design and one retired police chief who currently is a consultant

to an architect firm. Each judge was asked to review every portfolio submitted and select their top three choices in each of the five categories based on their experience with operations, security and designs. In some categories, the votes for the Gold winner were unanimous, while most categories required a great deal of discussion about their choices. The judges' discussions and reasons, based on their priorities and perspective, were fascinating to hear. Listening to the pros and cons in voting for a facility was quite an education itself.

Gold winners were selected for a high standard of excellence in design, innovative aspects to improve the efficiency,

security, and professionalism of the department personnel and its community.

The floor plans for each entry were carefully reviewed by the judges. From the visitors' access in a secured lobby, to administration and various departments, the sally ports and parking areas were each carefully reviewed.

The priority of security took many forms, including the exterior the buildings. Glass exposing personnel to risk was protected with rated, ballistic-resistant glazing. Protection from vehicular assault ranged from concrete planters, low-wall concrete walls and crash-rated bollards. Reinforced exterior walls included 16 to 22-inch thick concrete and reinforced to withstand a truck bomb at 100 feet.

With increased focus on behavioral health and stress-reduction, the police chief judges welcomed the open areas

of lunchrooms, café-style break areas and interior courtyards to encourage informal interaction for personnel. Also noted was the increase of natural light inside the buildings.

Many of the facilities included indoor or underground parking for squad cars. One judge recalled a severe hailstorm in Minnesota in which squads parked outside had all the windshields smashed by the baseball-sized hail and were out of service. The most popular trend recognized was for enclosed, drive-thru parking garages with two high-speed garage doors for fast response time and in case one door malfunctions.

It was at the conclusion of the judging process, the discussion evolved about the need to design law enforcement facilities with a sense of dignity and respect.

One of the judges, Dean Roberts, Senior Principal, McClaren, Wilson, Lawrie Architects, said, "We need to give dignity to the people we are designing space for. These [law enforcement] professionals are highly trained. Can we, as design professionals, bring dignity to the people we are designing for?" Some police departments are in what were deemed temporary buildings and are still there. "Let's get some dignity to the people who work here," Roberts added.

The 2020 Law Design Awards showcase is an effort to share the work of law enforcement agencies to provide state-of-the-art, secure facilities to protect law enforcement personnel and employees to better serve and protect their communities.

Whether you are planning a new facility now or considering one down the road, this collection offers you an abundance of ideas and things to think about. Also, the opportunity to view the work of architectural firms who specialize in law enforcement and public safety facilities. This issue is a 'keeper' to be used as a resource for your planning. ■



Janet Wilmoth
Special Projects Director

2020 LEDA Judges:



Brian Cunningham,
Police Chief, Woodridge, IL,
Police Department

Brian Cunningham, police chief, Village of Woodridge, IL, has over 35 years of law enforcement experience. Prior to Woodridge, he spent thirty years with the City of Naperville. He is involved in IACP, ILACP, DuPage Metropolitan Emergency Response and Investigation Team (MERIT) Executive Board Member, Illinois Homicide Investigators Association Executive Board Member, and a member of the Pipes and Drums of the Emerald Society—Chicago Police Department. Cunningham currently leads a Facility Improvement Team in the design of a new police and public works facility.



John Koziol,
Police Chief, Mount Prospect,
IL, Police Department

John Koziol, a 35-year veteran of law enforcement, holds a B.S. from Western Illinois University, is a graduate of the 175th FBI National Academy, and the 100th Administrative Officers Course at SPI at the University of

Louisville and the Delinquency Control Institute at USC. He served 29 years with Palatine Police Department and as chief was involved in the design/build of a state-of-the-art police headquarters in 2012. Currently, Chief of Police, Mount Prospect, IL, he was involved in another state-of-the-art police headquarters completed June 2020.



Eric F. Pros,
AIA, DS Architecture

Eric F. Pros is director of design at DS Architecture, president-elect of the Akron Chapter of the American Institute of Architects (AIA), and is an adjunct instructor at the College of Architecture and Environmental Design. Pros also works as a demonstrative evidence expert in crime scene reconstructions, holding certificates from the Center for Public Policy and Administration at Northwestern University and West Virginia University in Shooting Reconstruction. Eric received his Crime Prevention Through Environmental Design (CPTED) designation at the Las Vegas Metropolitan Police Department.



Dean Roberts,
AIA, OAA, NCARB, Senior
Principal, McClaren, Wilson,
Lawrie Architects

Dean Roberts has led the design for over 150 public safety project commissions across the United States and Canada, from small police agencies to large police departments. Dean's projects are known for effectively facilitating everyday operations, bringing people together and to reinforce the professionalism and culture of occupants. Dean has taught the IACP course Planning, Design and Construction of Police Facilities. Well-known and respected by his peers, he was a judge for the annual AIA Academy of Architecture for Justice awards.



Mark D. Taylor,
Emergency Services
Specialist, Five Bugles
Design/Wendel

Mark Taylor spent 20 years with McLeod County Sheriff's Office in Glencoe, MN. In 2007, he joined the City of Northfield, MN and rose to director of public safety, in charge of fire and police departments. Retiring in 2013, Taylor's experience in law enforcement expansions and working with the design process utilized by Five Bugles Design, he now works as the firm's Emergency Services Specialist.



Matthew D. Wolfert,
President/Architect,
Bray Architects

Matt Wolfert began his career at Bray Architects as an architectural intern, working his way up from print room intern to an owner of the firm and director of complex, multi-million-dollar projects spanning several market sectors. Clients appreciate his unique ability to understand their goals and articulate easily understandable strategies. Involved throughout the life of a project, Wolfert also establishes and maintains design budgets and construction schedules—always seeking the highest quality design within budget.

Architects

Architects Design Group	www.adgusa.org
BKV Group	www.bkvgroup.com
Brinkley Sargent Wiginton Architects	www.bsw-architects.com
BRW Architects	www.brwarch.com
Dewberry	www.dewberry.com
emersion DESIGN	www.emersiondesign.com
Farnsworth Group	www.f-w.com
FGM Architects	www.fgmarchitects.com
H2M architects + engineers	www.h2m.com
GLASS Architects (a JKA Company)	www.jeffkatzarchitecture.com
Kaestle Boos Associates, Inc.	www.kba-architects.com
Mackenzie	www.mcknze.com
Manns Woodward Studios, Inc.	www.mwsarch.com
Mull & Weithman Architects	www.mw-architects.com
Perlman Architects of Arizona	www.perlmanaz.com
RRMM Architects, PC	www.RRMM.com
Samaha Associates, PC	www.samaha-arch.com
Stewart-Cooper-Newell	www.fire-station.com
The Galante Architecture Studio	www.galantearchitecture.com
TreanorHL	www.treanorhl.com
Ziegler Cooper Architects	www.zieglercooper.com

Orlando Police Headquarters & Crime Lab



More than 50,000 square feet

Official Project Name:
Orlando Police Headquarters

Project City/State: Orlando, FL

Date Completed: Feb. 1, 2017

Chief/Director: Chief Orlando Rolón

Project Area (sq. ft.): 100,000

Total Cost: \$23,532,755

Cost Per Square Foot: \$235

Architects Design Group

Architect/Firm Name: Architects Design Group

City/State: Winter Park, FL & Dallas, TX

Website: adgusa.org

Design Team: Ian Reeves, AIA, Architect of Record; Rick Mullis, RA, Project Manager



The new 100,000-plus-square-foot headquarters provides a home to over 450 officers. The building features a community meeting room for up to 320 people, real-time crime center, all administrative functions, fleet maintenance and over 35,000 square feet of office space for every bureau within the police department. The community meeting room is also a multi-purpose training space with an adjacent warming kitchen and equipment storage space, offering the flexibility to accommodate a full range of uses from graduation banquets for the police academy and other community-oriented meetings.

The selected site serves as a major catalyst for thoughtful urban growth while integrating itself into the sensitive context of a historic neighborhood: the Parramore District. The economically disadvantaged minority district west

of the established urban core is being transformed by redevelopment projects and is a vital component to the downtown urban fabric with three major athletic and entertainment venues in close proximity to the site. The entrance plaza is located at the most prominent corner of the headquarters site and welcomes public visitors through the north public entrance atrium. Extensive glazing on the north and west facades signals transparency of law enforcement activities and partnership with the community.

Challenges:

- The city's all-in budget was \$20 million below what was needed to fully develop the project. Four development options were presented—ultimately selecting building a new admin building and renovating another city building for crime lab functions. This allowed the full needs of the police department to



be met at the headquarters site.

- The on-site stormwater ponds had to be significantly increased in size to address water quality prior to the stormwater out-falling off the property. The design team revised the master plan to reduce the usable surface area of the building footprint and required parking for staff to successfully accommodate this environmental challenge. ■





More than 50,000 square feet

Official Project Name:
Richardson Police Department

Project City/State: Richardson, TX

Date Completed: Jan. 15, 2020

Chief/Director: Chief Jimmy Spivey

Project Area (sq. ft.): 80,000

Total Cost: \$43,000,000

Cost Per Square Foot: \$538

BROWN REYNOLDS WATFORD ARCHITECTS 

Architect/Firm Name:
Brown Reynolds Watford Architects (BRW)

City/State: Dallas, TX

Website: brwarch.com

Design Team: Gary DeVries, Principal-in-Charge, BRW; Fred Clifford, Project Manager, BRW; Jason Cave, Project Architect, BRW; Chris Sano, Project Designer, BRW; Avi Patel, Project Coordinator, BRW; Don Wertzberger, Owner's Rep, 720 Design



Richardson Police Department

The 11-acre Richardson Public Safety Campus includes a new police headquarters, 911 dispatch, and a new fire station and administration building. A separate multifunctional police support building is currently under construction. Engaged in the concept phase, the design team collaborated with police, fire, and city planning departments to generate a detailed program of current and future requirements and to define the goals for the campus. The entire campus is open and inviting by design, fostering a cooperative relationship with the community. The police headquarters building presents a visible symbol of strength and community pride upon approach. A prominent portico draws attention to the public entrance, welcoming visitors and emphasizing the department's mission to serve in partnership with their citizens to maintain a safe and peaceful community. Architecturally, the use of native stone gives the building exterior a distinctly local feel and characterizes the strength and pride of Richardson. Gray zinc panels accent the façade and evoke the police shield in both color and touch, while wood soffits and exposed structural elements depict the authenticity and strong values upheld by the

department. The use of glass throughout the facility is significant and makes an architectural statement about the department's commitment to transparency and interaction with the public. The exterior expression of interior spaces further serves to connect the department and the public. The multi-purpose room creates a visual connection to the citizens through its corner location and use of glazing. Similarly, the briefing room and break room protrude and break the line of the façade to accentuate their importance. Overall, the plan is efficient and intuitive. Natural materials blend the interiors with the exterior and complete a composition that resides at the heart of Richardson, an anchor reminding its citizens of the best the city's finest have to offer. ■



More than 50,000 square feet



Official Project Name: St. Charles Police Station

Project City/State: St. Charles, IL

Date Completed: Aug. 29, 2019

Chief/Director: Chief James Keegan

Project Area (sq. ft.): 56,021

Total Cost: \$21,965,314

Cost Per Square Foot: \$392.09

FGM ARCHITECTS

Architect/Firm Name: FGM Architects Inc.

City/State: Oak Brook, IL

Website: fgmarchitects.com

Design Team:

FGM Architects: Ray Lee, Principal-in-Charge; Annabella Orlando, Project Manager; Louise Kowalczyk, Design Principal; Raegan Porter, Interior Design; Maggie Krieger, Project Architect; CCE Engineers; McCluskey Engineering; Prasino Engineering; WMA; Correct Electronics; Midwest Environmental Consulting; Construction & Geotech Material Testing; Pioneer Engineering; Advanced Communication; LandTech Design

St. Charles Police Station

An abandoned shopping center was razed to build a new home for the St. Charles Police Department. The 6.5-acre site configuration called for a two-story facility which exerts a strong civic presence with an exterior featuring ribbons of glass, offset by a stone tower element, and accented with brick, limestone and painted precast concrete. The public entrance opens to a welcoming lobby and multi-purpose room that seats 60 for training activities and community events. Throughout the building, murals and historic photos evoke the rich history of the St. Charles community. The design process included a series of stacking diagrams to determine the optimal relationships between departmental functions. The result is an efficient layout that provides ample space for each department while still facilitating interaction between departmental staff. Investigations and patrol are located adjacent to each other. The patrol division has a dedicated roll call room, report writing area and easy access to equipment and weapons storage. Both teams share conference space and interview rooms which promotes cooperation and communication. The evidence division has a state-of-art lab

with equipment for fingerprint analysis, drugs and biological evidence, computer forensics lab, high-density evidence storage shelving and a garage for processing vehicles. The detention area features a drive-through sally port, five cells and interview rooms with a lighting system that continuously disinfects the space. A 30-vehicle garage ensures that officers can respond immediately regardless of weather conditions and prolongs vehicle life. The station's second floor houses police administration; conference rooms and classrooms. Amenities include a kitchen/break area, locker rooms and a fitness area that is also used by city staff. Portions of the station serve as a storm shelter when needed with redundant mechanical and electrical systems. A regional stormwater detention system was integrated into this project to help mitigate community flooding issues. ■





More than 50,000 square feet

Official Project Name:

Dallas County Law Enforcement Center

Project City/State: Adel, IA

Date Completed: Sept. 15, 2020

Chief/Director: Sheriff Chad Leonard

Project Area (sq. ft.): 60,692

Total Cost: \$22,000,000

Cost Per Square Foot: \$362



Architect/Firm Name: Farnsworth Group

City/State: Bloomington, IL

Website: f-w.com

Design Team: Farnsworth Group (formerly Design Alliance), Architect of Record; Venture Architects, Consulting Architect; Civil Design Advantage, Civil Engineer and Landscape Architect; Korpela Engineering, Structural Engineer; Alvine Engineering, Mechanical and Electrical Engineer; Tim Redden and Associates, Security Consultant; Stewart Design Associates, Food Service and Laundry Consultant



Dallas County Law Enforcement Center

Serving one of the nation's fastest-growing counties, the Dallas County, Iowa, Law Enforcement Center required a new facility that would accommodate future growth and provide the latest technology and security in public safety. With the existing facility located downtown, community members were concerned about the economic impact moving to another location would have on existing downtown businesses. A significant education campaign was launched to assure residents the county courthouse would remain downtown resulting in minimal economic impact to the downtown district. The Dallas County Law Enforcement Center is the result of a 4-year collaboration between the Dallas County Sheriff's Department, design team, construction manager and

community to deliver an energy efficient, high-tech law enforcement facility to serve the county for years to come. The facility contains the full complement of the Dallas County Sheriff's Department including administration, jail support and jail incarceration. The design accommodates the needs of everyone, from the transition of public access for administration duties to the highest level of security for arrestees. This is accomplished with a simple functional block transition from the public access to the secure areas deeper in the building. The administration block is positioned along the front parallel to the public right of way. This allows direct access for the public and immediate interaction with administrative personnel providing efficiency and safety. Jail support is in the following block positioned with major circulation for access by the department staff from either administration or cell block functions. The final block is the high-security jail cell pod. The facility is designed with expansion in mind. The facility's support areas can accommodate a total population of 520. The first cell pod will house 130 inmates with each additional pod housing the same number depending on housing type, i.e. dormitory or individual cells. ■



Fridley Civic Center



On a high-visibility site stands the recently completed Fridley Civic Center—including public safety, city hall and public works. During the planning stages, city leaders requested a facility that would meet the operational needs of public safety and city hall functions for at least the next two decades and provide a cohesive building that encourages staff to collaborate between departments. This gave the design team the opportunity to plan a shared municipal facility, maximizing the potential for shared space, building systems and gaining the most value for the city. The limited site area required the building be multi-level, which challenged the design team to organize the police operational spaces between levels while maintaining efficiency in operational flow. The public safety department consists of fire and police and is served by a smaller sub-lobby located across the main lobby. The sub-lobby allows for the police to address interviews separate from city hall. Soft interview rooms can be accessed from both the lobby side and secure staff side, permitting officers the opportunity to meet with individuals without compromising the secure perimeter of the facility. The police and fire administration areas share staff restrooms located in a secure



hallway connected to the sub-lobby, while the remainder of police functions are separate. Personnel spaces, including administration, records, investigations, and patrol are located on the first floor. The lower level is dedicated to police functions and contains a 40-stall squad garage, duty bag storage, decontamination space, a small holding and hard interview area, evidence processing and storage, and a five-lane firing range. The second floor contains a shared fitness room overlooking the water feature and a shared training room doubling as a backup EOC. Additionally, located on the second floor is a multi-purpose space used by the police for simulation and use of force training. ■

Official Project Name: Fridley Civic Center

Project City/State: Fridley, MN

Date Completed: Oct. 1, 2018

Chief/Director: Brian Weierke,
Director of Public Safety/Police Chief

Project Area (sq. ft.): 184,300

Total Cost: \$44,520,325

Cost Per Square Foot: \$241.56



Architect/Firm Name: BKV Group

City/State: Minneapolis, MN

Website: bkgvgroup.com

Design Team: Brian Weierke, Dir. Public Safety; Scott Hickok, Community Development Director; Walter Wysopal, Administrator; Bruce Schwartzman, AIA; DuWayne Jones, AIA, LEED-AP; David Horner; Aaron Johnson; Michael Healy, AIA; Craig Carter, AIA, LEED-AP-BD+C; Kyle Olson, PE; Jonathan Butler-Knutson, NCIDQ; Chad Kurdi, PE; Mike Dugan, LEED-AP; Brady Halverson, PLA; Ed Heinen, CSI, LEED-AP





Less than 50,000 square feet



Official Project Name:
Cincinnati District 3 Police Headquarters

Project City/State: Cincinnati, OH

Date Completed: Nov. 1, 2016

Chief/Director: Chief Eliot Isaac

Project Area (sq. ft.): 38,500

Total Cost: \$14,349,000

Cost Per Square Foot: \$372.70

emersion
DESIGN

Architect/Firm Name: emersion DESIGN

City/State: Cincinnati, OH

Website: emersiondesign.com

Design Team: Jonathan Boeckling, Superintendent; Builder - Messer Construction; Steve Kimball, Project Manager; Jim Cheng, Designer; Amy Green, Interior Designer; Chad Edwards, Sustainability; Architect/Designer - emersion DESIGN; Tracy Steward, MEP, engineers - CMTA; Steve Stewart, Civil Engineer - Genesis Design; Christopher Manning, Landscape Architect - Human Nature; Ian Holten - ZH Commissioning

Cincinnati District 3 Police Headquarters



The City of Cincinnati commissioned a design/build team to design and construct the District 3 Police Headquarters. This 38,500-square-foot, state-of-the-art facility fulfills the city's requirement for high levels of sustainability while maintaining function for police activities, security for occupants and aesthetically appealing design within the community. To address sustainability requirements, the designers worked with the police staff, neighborhood committees, and city planners to set aggressive goals and reduce the life-cycle costs of the building. The designers employed energy conservation measures such as geo-exchange wells, solar arrays, and an extremely tight building envelope. The end result was highly successful, and this headquarters is the first LEED Platinum, Net-Zero Energy police station in the world. The designers involved the community by facilitating neighborhood committees and meetings. This resulted in features from notable buildings throughout the



14 surrounding neighborhoods being pulled into the design, as well as public art. The involvement transformed the project into a city asset that meshes perfectly into the fabric of the community. The city's police building needed high levels of security, however the city did not want to compromise the welcoming design aesthetic. In response, the design team utilized CPTED (Crime Prevention Through Environmental Design) to address security requirements. The police station's landscaping and dry creek prevent vehicular assaults from the visitor parking lot entrance.



The artistic columns representing the 14 neighborhoods of District 3 act as traffic barriers. These security measures add to the site and building aesthetic while allowing the building and site to feel friendly and approachable to the citizens in need. ■





Less than 50,000 square feet

Official Project Name:

Glen Ellyn Police Headquarters

Project City/State: Glen Ellyn, IL

Date Completed: June 1, 2017

Chief/Director: Chief Phil Norton

Project Area (sq. ft.): 31,600

Total Cost: \$13,510,000

Cost Per Square Foot: \$385

Architect/Firm Name:

Dewberry



City/State: Elmhurst, IL

Website: dewberry.com

Design Team: Jonathan Tallman, PM, Dewberry; Weena Yan, Job Captain, Dewberry; Samantha Josh, Interior Designer, Dewberry; Tom Veerman, Mechanical Designer, Dewberry; Beth Keppler, Interior Designer, Dewberry; Roger Beard, Electrical Designer, Dewberry; Cathy McNeil, Plumbing Designer, Dewberry; Tom Craft, Technology Designer, Dewberry



Glen Ellyn Police Headquarters

In 2008, the Village of Glen Ellyn realized the police department had outgrown their existing facility, located in the downtown civic center, and requested a space needs assessment be conducted. The civic center was originally built as a school in the 1930s and in the 1970s the village administration and police moved into the facility. In 2015, the Village of Glen Ellyn moved its police department out of the historic civic center downtown and into a new facility, triple the size and located at the west edge of Panfish Park surrounded by residential neighborhoods. This park site was selected for its optimal location within the village. A primary goal for the village was to fit the facility seamlessly into the community and provide a community room and public spaces on the south side of the village. The public parking and plaza areas act as a gateway to the improved adjacent park. The site conditions, however, presented many challenges. Over half the site contained bad soil and was located within a 100-year flood plain; an area subject to severe flooding triggering strict requirements the site and building must meet to ensure they can withstand potential floods. This caused critical police functions to be organized

along the west side of the property, locating equipment and areas of operation farthest away from the areas at-risk of severe flooding. An important goal for the village was to ensure officer safety; since safety was an issue in the previous facility. For example, officers would take their suspects into custody via public parking lot into a garage on a steep decline. This was corrected in the new, secure facility. Throughout the design and construction process, community and officer safety remained a priority. ■





Gardner Justice Center

The desire to engage with the community and build lasting and trusting relationships is a primary goal for the Gardner Police Department. This, combined with the preference to have a facility that would evolve to meet the departments changing demands, requirements and projected staff growth, influenced the layout and design of the Gardner Justice Center. Per this collective vision, the facility, home to the police department and the municipal court, is designed to be a public-facing anchor to a future municipal campus in this growing city. The building fits the needs of the public and staff, with careful programming. The building is organized in program zones that reinforce the individual requirements and needs of each department, while focusing on how the building can support those operations and the ways staff need to work within the space. Organized around two courtyards and a staff break area creating an “I” circulation spine, the various departments have been consciously located based upon specific needs and requirements, with administration and investigations clustered together



while patrol, detention and property, and evidence are grouped together. In the heart of the building is the fitness, locker rooms and staff break area. The two exterior courtyards located in the heart of the facility seamlessly connect the indoor to the outdoor space. Brain science research confirms what humans have intuitively always known: spending time in nature is vital to health, healing and calming the mind. All occupied spaces have access to abundant natural light and most of the spaces have views to the exterior and landscape supporting the officers mental and physical health. Visual connections have been choreographed to maximize the relationship between building and open space; the result being a secure, memorable and comfortable environment to work. ■



Official Project Name: Gardner Justice Center

Project City/State: Gardner, KS

Date Completed: July 1, 2019

Chief/Director: James Belcher

Project Area (sq. ft.): 33,338

Total Cost: \$12,538,300

Cost Per Square Foot: \$376

TREANORHL

Architect/Firm Name: TreanorHL

City/State: Lawrence, KS

Website: treanorhl.com

Design Team: Andy Pitts, Principal-In-Charge, TreanorHL; Chris Birkenmaier, Project Manager, TreanorHL; Ryan Jacobs, Project Architect, TreanorHL; Consultant Team: Security: Latta Tech Civil Engineer, TreanorHL; MEP Engineer; Smith & Boucher; Structural Engineer: KH Engineering; Landscape Architect: TreanorHL



More than 50,000 square feet

Official Project Name:
Albany Police Facility

Project City/State: Albany, OR

Date Completed: Oct. 1, 2017

Chief/Director: Mario Lattanzio (Ret.)

Project Area (sq. ft.): 41,000

Total Cost: \$12,457,241

Cost Per Square Foot: \$303.83

MACKENZIE.

Architect/Firm Name: Mackenzie

City/State: Portland, OR

Website: mcknze.com

Design Team: Jeff Humphreys, Principal-in-Charge; Brett Hanson, QA/QC; Adrienne Linton, Project Architect; Kim Doyle, Interior Designer; Brian Varricchione, Land Use Planning; Josh McDowell, Structural Engineer of Record; Steven Tuttle, Landscape Architecture; Brent Ahrend, Traffic Engineer; Bailey Currier, Civil Engineer



Albany Police Facility

The City of Albany, Oregon was at a point in time where they desperately needed to replace their aging police station. Their decades-old facility was designed for 50 people and the department had grown to more than double that size since its construction. Mackenzie led the city through a needs-assessment process and a successful bond campaign that secured the funding for a state-of-the-art 41,000-square-foot station designed to remain operational in the aftermath of an earthquake. The new facility will efficiently support a growing community with strategically planned areas for future expansion, support a healthy work environment for officers and staff, and offer a welcoming environment for citizens. The new facility is designed around a central communal space and central open stairway that serves as the heart of the facility. This central hub helps reinforce departmental culture and enhances connectivity between the floors—especially important for an organization quadrupling its functional space. The station features a 911 dispatch center, temporary holding cells, an evidence processing area with a large vehicle evidence bay, a drive-thru sally port and a staff training room that can

flexibly serve as community space or Emergency Operations Center. The station's entry is designed to double as an emergency security vestibule, creating a refuge for citizens in immediate danger. The project team creatively implemented the city's mandated art budget to meet functional and aesthetic purposes, including a rainwater conveyance system and vehicle deterrent elements that also serve as benches. The high-performance facility includes bullet-resistant glazing, and other materials to provide protection for building occupants. Sustainable elements include LED light fixtures, low flow water fixtures, strategic daylighting, high-efficiency variable air volume HVAC system with heat recovery ventilators and a photovoltaic solar array to provide on-site power generation. ■





California Highway Patrol

– Chico Area Office #241



Official Project Name: California Highway Patrol – Chico Area Office #241

Project City/State: Chico, CA

Date Completed: Aug. 1, 2017

Chief/Director: Captain April Baxter

Project Area (sq. ft.): 39,405

Total Cost: \$20,624,000

Cost Per Square Foot: \$523

Architect/Firm Name: GLASS Architects (a JKA Company)



City/State: Santa Rosa, CA

Website: glassarchitects.com

Design Team: Eric Glass, Principal, GLASS ARCHITECTS (JKA); Charlie Sikes, Project Architect, GLASS ARCHITECTS (JKA); Jeff Bousfield, Design Architect, GLASS ARCHITECTS (JKA); Aaron McCoy, Project Manager, Continental Design Build, Inc.; Kevin Zucco, Principal Engineer, ZFA Structural Engineers; Steve Canada, Principal Landscape Architect, The HLA Group; Gabe Halsey, Construction Manager, Lusardi Construction, Inc.

The California Highway Patrol – Chico Area Office is a replacement facility designed as a state-of-the-art Essential Services building that will serve the growing and adapting needs of the California Highway Patrol for the next 50-plus years. The new area office focuses on meeting the CHP’s identified Critical Success Factors and the rigorous Facility Design Program requirements. The project seeks to create a new facility that is functional and secure for both staff and public and reliable, easy to access and responsive to CHP’s requirements. This project delivers a functional, modern police station with appropriate security that is welcoming to the public. The project is forward-thinking, flexible and anticipates the needs for future technologies. Attention to durable and easily maintained interior and exterior materials ensures the facility will maintain its civic presence, sense of security, strength and quality image for years to come. The project consists of 39,405 square feet of building area distributed

between three main structures: Building A – an administrative area office (31,291 square feet); Building B – an automobile service center (7,328 square feet); and Building C – a recycle, waste, and storage building (786 square feet). The 5.9-acre site includes visitor parking, secure staff parking, vehicle fueling station, and a truss-like 120-foot communication tower with an antenna array. While all new CHP replacement facilities are mandated to achieve LEED Silver certification, this project is the first CHP replacement facility to be certified at LEED Gold level. Building materials are primarily sourced locally and specified with durability and ease of serviceability. The building exceeds the energy efficiency of a typical similar building by 46%. On-site power generation through the shade structure-mounted photovoltaic roof panels produces over 42% of the building’s total annual energy usage while providing shade for the vehicles parked below. ■





Less than 50,000 square feet



Waxahachie Police Headquarters

Just south of Dallas, Texas, 20,000 residents live in the Ellis County seat of Waxahachie. The city, whose name is derived from the Native American name for Buffalo Creek, is known for its captivating historical architecture, including what many people believe to be the most beautiful county courthouse in Texas. The City is known as the “Gingerbread City” due to the abundance of 19th-century Victorian houses. The architectural firm worked with a select group of city staff to develop a 20-year program to meet the police department’s projected growth in a changing world. The facility’s design was predicated on two major city requirements that: 1) The building would reflect the rich architectural history of the “Gingerbread City” while maintaining a “timeless” feel, which meant the inclusion of Victorian and the downtown historical “Arts & Craft” detailing while using modern materials; 2) Per the police chief’s request, his office would be located at the building’s main police staff entrance and have glass walls to promote constant

interaction with all of his staff. His goal was to eliminate the traditional isolation of the administrative suite. This requirement impacted the relationship between internal departments throughout the building. The building program includes the following departments: community/training/EOC room; CID with victim/suspect segregation and computer forensics; evidence and property; administrative services; patrol with lockers and exercise areas; central break room; free-standing support building housing specialty vehicles; property and crime scene functions. At the building’s grand opening celebration, the police chief stated, “We wanted a building that fits into the historical architecture of the city while providing our staff with the best tools to meet future city policing needs. We are confident we achieve those goals.” ■



Official Project Name:

Waxahachie Police Headquarters

Project City/State: Waxahachie, TX

Date Completed: July 30, 2018

Chief/Director: Chief Wade Goolsby

Project Area (sq. ft.): 36,410

Total Cost: \$13,293,229

Cost Per Square Foot: \$365.10

Architect/Firm Name: Brinkley Sargent Wiginton Architects

City/State: Dallas, TX

Website: bsw-architects.com

Design Team: Harold E. Sargent, AIA, Brinkley Sargent Wiginton Architects (BSW); Greg Read, AIA, BSW; Antoine De Hon, AIA, BSW; Suzi

Muszynski-Storer, IIDA, BSW; MEP: ME Engineers; Civil: Pacheco Koch Engineers; Structural: LA Fuess Partners; Landscape: Kendall + Landscape Architects



Holly Springs Law Enforcement Center

The Town of Holly Springs, North Carolina has for many years been considered a “bedroom” community for the City of Raleigh. Recent growth has transformed their small police department—that had a full staff of 19 personnel in 1999—to 89 personnel in 2020. This roughly 450% growth could not be sustained in the approximately 5,000 square feet turn-of-the-century historical building that the department was housed in. Besides pure space, the building could not provide the security, technology and functional needs that a modern police department demanded. At 28,000 square feet, the new law enforcement center has been designed to address the current and future growth of the department. The new facility was not needed simply for more space, but to address the specialized functions of a modern department. As one of only three communities in Wake County to provide 911 Communications services, the new facility provides a new communications center with ample growth along with a computer/server room for CAD equipment and 911 servers, along with the secure police servers. The demanding security requirements for the 911 center are a natural fit with the security requirements for the law enforcement center. Security for the new facility starts with site separation of visitor and staff



parking and separation of visitor spaces from the facility and continues into the lobby, which is open and inviting, yet secured with bullet resistant glazing and wall panels along with interior and exterior cameras and door controls. Equipped with a modern gymnasium and defensive tactics training area, K-9 facilities, interview rooms, firearms training simulator room and the normal compliment of administration, patrol, investigations, forensics and evidence spaces along with modern training/community rooms, the new facility is set to serve this growing town for decades. ■

Official Project Name:

Holly Springs Law Enforcement Center

Project City/State: Holly Springs, NC

Date Completed: Jan. 15, 2016

Chief/Director: Daniel Weeks,
Assistant City Manager

Project Area (sq. ft.): 27,987

Total Cost: \$5,956,800

Cost Per Square Foot: \$198.52



Architect/Firm Name:

Stewart-Cooper-Newell Architects

City/State: Gastonia, NC

Website: scn-architects.com

Design Team: James R. Stumbo, AIA, LEED AP BD+C, NFPA Principal-In-Charge & Project Architect, Stewart-Cooper-Newell Architects; Ren Ramsey, Construction Administration, Stewart-Cooper-Newell Architects; Gregory Scott, Project Manager, Stewart-Cooper-Newell Architects; Monteith Construction, General Contractor





Less than 25,000 square feet

Official Project Name: Queen Creek Law Enforcement and Community Chambers Building

Project City/State: Town of Queen Creek, AZ

Date Completed: Jan. 17, 2018

Chief/Director: Andy Marlair

Project Area (sq. ft.): 23,424

Total Cost: \$10,249,073.43

Cost Per Square Foot: \$437.55



Architect/Firm Name:

Perlman Architects of Arizona

City/State: Phoenix, AZ

Website: perlmanaz.com

Design Team:

Perlman Architects:
Ken Powers, Architect
of Record; Erik

Thomsen, Designer; Gerald Adams, Project Manager; William Gasque, Civil, DOWL; David Schott, Structural, TLCP Structural; George Josephs, Mechanical and Plumbing; Associated Mechanical Engineers: Sheldon McInelly, Electrical; Akribis Engineers: John Echeverri, Fire Protection; EJ Engineering Group: Jerry Moar, Landscape; Logan Simpson



Queen Creek Law Enforcement and Community Chambers Building



This nearly 3.0-acre site is located within the Queen Creek's Municipal Center. Future master planned facilities include courts, law enforcement expansion, conference center and parking garage. The civic plaza was designed to work in harmony with the existing municipal facilities, law enforcement facilities and future expansions. The site is strategically laid out with respect to the main roads that feed the project site and the existing and future uses. The access drive provides a strong welcoming connection between municipal campus

buildings, central plaza and main thoroughfares yet provides security and separation required for the facility. The 23,424-square-foot facility houses council chambers, conference rooms, community service, command, investigations, patrol and detention personnel. A central courtyard provides ample natural light, providing a secured outdoor space for the occupants. This shared facility maximizes areas while respecting the operational requirements of each department. The agrarian aesthetic of the surrounding area influenced building massing and material palette. Simple

shed roofs, large cylindrical forms, board-formed concrete and raw steel are intertwined with a distinct modern ranch flair. A low-sloped standing seam shed roof allows the building to open and capture natural light throughout the building without compromising staff security. High clerestory windows also provide a floating roof effect giving this large mass a layering effect. The material palette consists of ground face concrete masonry units, bronze metal panel siding cladding system. For instance, the iconic cylindrical form of the council chambers is prominently placed near



the entry as a marker to the public. This structure is composed of galvanized steel similar to a steel water cistern, gleaming in the sun. Also, metal panel siding located in strategic locations along the law enforcement areas allows for easy future expansions. Glazing on the exterior is protected from the harsh desert environment by large overhangs and metal sunscreens. ■





The Perryville Police Station

This project is located in a revitalization district of the historic town of Perryville and will be the first of multiple buildings that will comprise a new master planned town center. The building is approximately 8,100 square feet and is designed to invite public interaction with police personnel while appropriately buffering them from detainees. The interior of the building is designed to conform with national law enforcement standards relating to site and sound separation of juveniles, female and male suspects. Program includes holding cells, interview rooms, offices for police officers and administrators, locker and shower rooms, bunk rooms and storage rooms. Evidence and armory storage are securely located within the core of the

building, ensuring only authorized personnel can gain access to these spaces. The entire building is fit out with card access control readers, an emergency alerting system, CCTV camera system and life safety systems. Evidence processing is equipped with a dedicated ventilation system to eliminate odors from propagating throughout the station. The windows to administrative offices and transaction windows from the lobby are fitted with UL level 5 ballistic resistant glazing. The exterior is protected from vehicular assault with planters and crash rated bollards. Finally, the site improvements of this project include elements that will serve the town and allow for expansion and development of nearby sites, not just the requirements for the police station. ■

Official Project Name:

The Perryville Police Station

Project City/State: Perryville, MD

Date Completed: Jan. 1, 2016

Chief/Director: Chief Robert Nitz

Project Area (sq. ft.): 8,100

Total Cost: \$4,000,000

Cost Per Square Foot: \$494

Architect/Firm

Name: Manns Woodward Studios, Inc.

City/State: Baltimore, MD

Website: mwsarch.com

Design Team: Robert Manns, Principal Architect and Lead Designer, Manns Woodward Studios; David Woodward, Principal Architect and Lead Construction Administrator, Manns Woodward Studios





Orleans Police Station

The Orleans Police Station is a modern facility designed to support a 21st century police department while maintaining the appearance of a quintessential Cape Cod cottage. The existing station was in disrepair with poor air quality, leaks and unsecure evidence storage. Renovating the existing station was determined to be financially inefficient so it was demolished, and the new building was constructed on the same site. The 15,500-square-foot police station and 3,300-square-foot auxiliary building are designed to meet the current and future needs of the department by integrating technology throughout the entire building as well as providing secure evidence rooms, a modern electronic booking facility, holding cells, a fitness room and a kitchen. The new station accommodates the influx of staff needed to serve the retirees, vacationers and seasonal workers residing in Orleans during the summer months. It is constructed as slab-on-grade in the exact location as the old station with a large quantity of

unsuitable soil below the new building that was mediated using a ground improvement system. The department maintained operations in a temporary space for 14 months, including a busy summer season, while the new station was constructed. The Orleans Police Station includes a multipurpose space serving as a community meeting room, training room and emergency operations center. This multipurpose space addresses the need for a centralized training area to accommodate nearby smaller communities. Technology in this room allows emergency or training operations to share screens from multiple devices on the same screen, which enables specialty software to be added to the operation from outside agencies. To ensure the new station was an environmentally sustainable building, the design includes a photovoltaic ready roof structure, LED lighting, high quality insulation and an induction HVAC system for efficient heating/cooling that can adjust with the weather throughout every season. ■



Official Project Name: Orleans Police Station

Project City/State: Orleans, MA

Date Completed: April 11, 2018

Chief/Director: Chief Scott MacDonald

Project Area (sq. ft.): 17,883

Total Cost: \$11,400,000

Cost Per Square Foot: \$518

**Architect/
Firm Name:**
Kaestle Boos
Associates, Inc.

KAESTLE BOOS
associates, inc
architects

City/State: Foxborough, MA

Website: kba-architects.com

Design Team: Michael McKeon, Principal, Kaestle Boos; Todd Costa, Project Manager, Kaestle Boos; David McKinley Landscape Architect, Kaestle Boos; Christopher Garcia, Mechanical Engineer, GGD; Carlos DeSousa, Electrical Engineer, GGD; Christopher Garcia, Plumbing, Fire Protection, Civil Engineer, GGD; David Toce, Structural Engineer, Toce Structural Engineering



Less than 25,000 square feet



Village of East Dundee Police Complex

With a lack of space for a growing staff and an inability to effectively carry out necessary police functions in the one-story police department, the Village of East Dundee, Illinois, engaged its design team to investigate the adaptive re-use of an existing 10,933-square-foot, 1950's fire station. The police were formerly located in an adjacent one-story addition to the community's 1891 Village Hall. The investigation determined that adaptive re-use of the fire station was an efficient alternative to accommodate the requirements of the police department while quadrupling the department's former square footage. The complex extends approximately two acres and is conveniently located two blocks from the village's historic downtown that is undergoing a redevelopment. The design, which places an emphasis on sustainable energy practices, includes a 734-square-foot, two-story addition, which was constructed to include stairs and elevators for ADA access to the second floor and an updated, inviting entrance. The entire municipal complex includes spaces for patrol, criminal investigation division, administration, records, evidence, processing,



booking, holding and training functions. The project's sustainable and energy efficiency features ultimately earned it a LEED Gold rating from the U.S. Green Building Council. The project team leveraged the design to contribute to the village's renewable energy and energy conservation goals, establishing a precedent for high-performance green buildings within the village boundaries. With this project, the village set an example of sustainable development for economic vitality, community well-being and natural resource stewardship. ■

Official Project Name:
Village of East Dundee Police Complex

Project City/State: East Dundee, IL

Date Completed: March 15, 2016

Chief/Director: Chief George Carpenter

Project Area (sq. ft.): 11,677

Total Cost: \$3,000,000

Cost Per Square Foot: \$257

Architect/Firm Name:
Dewberry

City/State: Elmhurst, IL

Website: dewberry.com



Design Team: Jonathan Tallman, PM; Tom Veerman, Mechanical Designer; Roger Beard, Electrical Designer; Daniel Atilano, PIC; Jennifer Betancourt, PA; Tom Craft, Technology Designer; Kevin Palmbly, Construction Administrator





Less than 25,000 square feet



Ashburn Sheriff's Station



The Ashburn Sheriff's Station successfully completes a larger county-wide effort to decentralize law enforcement and provide community-based policing. Located in the growing One Loudoun community, the substation supports all police operations and includes a revenue-producing community room available for rent to local organizations. Zoned levels of security enable the facility's dual purpose. The building design provides a welcoming presence for visitors while retaining a protected perimeter through the employment of restricted approach angles, low walls, bollards, earthwork and landscaping. All exterior accessible glazing and frames were provided at bullet resistance UL level 8. All site development was designed to preserve passive visual security from the interior. A secure parking compound with two separate means of egress provides a protected environment for parking police cruisers, unloading evidence, accessing the sally port and staging mobile command units. Supporting spaces accessible from the secure parking compound include evidence processing,

large evidence storage, and a processing area for short term holding and secure interviewing accessed through the sally port. Inside, the public is separated from the policing functions by a reinforced wall allowing the two areas to operate independently. To encourage community involvement, an interview and a fingerprint room are in the public zone of the station. Within the public service lobby, residents can request information from the policing administration areas, file anonymous reports and safely dispose of unwanted prescription drugs. During crisis events, the large community room can function as an Emergency Operations Center by shifting the secure boundary to the building perimeter. Beyond the secured interior wall, the police administration areas are located in one wing of the building for collaboration purposes, while locker rooms, exercise and training rooms are in the opposite wing to provide sound isolation and improve operational flow. ■

Official Project Name:
Ashburn Sheriff's Station

Project City/State: Ashburn, VA

Date Completed: June 1, 2018

Chief/Director: Captain David Hibberd

Project Area (sq. ft.): 18,667

Total Cost: \$8,662,725

Cost Per Square Foot: \$447.17



Architect/Firm Name: F. Thomas Lee/
Samaha Associates P.C.

City/State: Fairfax, VA

Website: samaha-arch.com

Design Team: F. Thomas Lee, AIA, LEED AP, Principal, Samaha Associates, P.C.; Ashley Beesam PE, LEED AP, Civil & Structural Engineer, ADTEK Engineers, Inc.; William Downey, Cost Estimating, Downey & Scott, LLC; Philip Wright, LEED AP, MEP Engineering, Brinjac Engineering, Inc.; Mike Babcock, CEM, LEED AP, Sustainability, Sustainable Building Partners, LLC





New 4th Precinct Police Station + Neighborhood Park

After serving its community for the past 30 years, the city conducted a facility needs assessment of the original police station and determined the existing facility could no longer support current population, and concluded the most feasible solution was to construct a new police station. The project consists of a new state-of-the-art police station, designed to support modern-day law enforcement services and community needs, and is co-located on a city-owned parcel, shared with an existing public library and surrounding residential neighborhoods. The new station was strategically located near the main street frontage, offering a “pedestrian friendly” curb appeal that warmly welcomes the public and provides a strong visual civic presence. Traditional red brick and sloped metal roofs pay tribute to the community’s deep-rooted history, while modern white precast masonry and large windows speaks to the city’s forward-thinking mindset. A large multi-purpose room is located near the main entrance and will be utilized for community events and serve as an incident command center. A new public art-walk connects residential areas to the new neighborhood park and police station. A space at the public

drop-off area is dedicated for a future outdoor memorial. The project also includes a large fitness room, indoor and outdoor break areas, along with gender-friendly restrooms and locker rooms. Administrative areas include private and shared open office areas, and an abundance of natural light and visual connection to the outside. The city’s initial target was to achieve LEED “Certified.” However, using a successful integrated team approach, it is anticipated it will achieve LEED “Gold.” Sustainable features include a geothermal system, LED lights, system controls and indoor air quality strategies that provide a healthy environment. To further ensure the safety of staff and visitors, design strategies were incorporated based on CPTED practices (Crime Prevention Through Environmental Design). ■



Official Project Name: New 4th Precinct Police Station Neighborhood Park
Project City/State: Virginia Beach, VA

Date Completed: Nov. 27, 2019

Chief/Director: Deputy Police Chief Patrick L. Gallagher

Project Area (sq. ft.): 18,000

Total Cost: \$5,350,000

Cost Per Square Foot: \$297.22

Architect/Firm Name: RRMM Architects, PC

City/State: Chesapeake, VA

Website: RRMM.com



Design Team: Architect: RRMM Architects, PC; Mathew H. Astrin, Principal/Public Safety Designer; Brian W. Wolf, Project Manager/LEED Manager; Design Consultants Police Station Design Consultant: Tecton Architects; Civil: Vanasse Hangen Brustlin; MEP: Thompson Consulting Engineers Owner Representatives; Patrick L. Gallagher, Deputy Police Chief; Carl Hebert, Project Manager, Public Works



Kimberley K. Jacobs Neighborhood Policing Center

Precinct #1 serves the City of Columbus's growing far north community. The site is bounded by residential development to the north and south, Sancus Boulevard to the west, and a stream conservation easement and city recreation center to the east. The 3.8-acre site is bisected by a private drive that serves access to the neighborhood recreation center. The design team involved the local neighborhood commission in the planning of the new facility. The bike path connections to the existing school, residential communities and recreation center were maintained to enhance connectivity with the neighborhood. The public entrance to the station/community room via the public parking located adjacent to Sancus Boulevard provides a visible connection to the

community while serving as an internet purchase exchange zone covered by CCTV cameras. The secure police parking is located on the east side of the building. This includes a 15-space covered cruiser parking area with fiber connectivity for cruiser video uploading. Exterior materials of brick and metal panels blend the station with the materials of the adjacent community center to create a cohesive image for the neighboring city facilities. The 12,138-square-foot facility is designed to house two precincts and a mid-watch shift. The design features a central spline that organizes both the public and police entry/circulation points to the building. The community/training room and support spaces are located off this spline on the public side. On the police side this becomes locker space for tactical gear that can be accessed en route to assigned vehicles. The heart of the station is the roll call space which is surrounded by shift offices, gender-neutral locker room space and the mobile substitution garage. The station includes a small kitchen and physical training area for use before or after shift. ■



Official Project Name:

Kimberley K. Jacobs Neighborhood Policing Center

Project City/State: Columbus, OH

Date Completed: May 1, 2020

Chief/Director:

Police Chief Thomas Quinlain

Project Area (sq. ft.): 12,138

Total Cost: \$7,253,000

Cost Per Square Foot: \$598



mull & weithman architects, inc.

Architect/Firm Name:

Mull & Weithman Architects

City/State: Columbus, OH

Website: mw-architects.com

Design Team:

Architecture: Bradley Mull, Joe Weithman, Joe Malone and Alexis Gauthie, Mull & Weithman Architects, Inc.; **Civil Engineering & Landscape:** EMH&T; **Structural:** SMBH; **MEPFT:** AEC; **Security:** SRMC and Tornado Shelter; **Peer Review:** Korda; **Geotechnical & Construction Testing:** S&ME





The St. Mary's County District 4 Sheriff's Office

The St. Mary's County District 4 Sheriff station is an adaptive reuse of an existing 5,300-square-foot former EMS station in Lexington Park, Maryland. The St. Mary's County Sheriff's Department in concert with the Department of Public Works



approached the design team with the task to redefine how a traditional police station looks and interacts with the community. Understanding the role of community policing, the design team sought to provide the maximum amount of transparency into the station to promote a more welcoming and less intimidating presence, all without compromising personnel safety and operational functionality. Large spanning clerestory element and punched openings flood the interior with natural daylight throughout the administrative and lobby spaces below, along with defining the public entrance to provide both a welcoming and intuitive approach. The back of house provides secure spaces for both suspect processing and detainment, along with evidence processing and storage. The station boasts an energy efficient mechanical system, LED lighting package and a natural gas run generator, all elements



designed to provide stabilized climate control, while reducing energy consumption and monthly operating cost. Evidence processing is equipped with a dedicated ventilation system to eliminate odors from propagating throughout the station. All glass exposing personnel to risk, is protected with UL level 5 ballistic resistant glazing. The exterior is protected from vehicular assault with planters and crash rated bollards. All elements produce a building that will provide the sheriff's department a space to adapt and serve the community for years to come. ■



Official Project Name:
The St. Mary's County District 4 Sheriff's Office

Project City/State: Lexington Park, MD

Date Completed:
July 1, 2020

Chief/Director:
Jeff Reed

Project Area (sq. ft.): 5,300

Total Cost: \$3,400,000

Cost Per Square Foot: \$642

Architect/Firm Name:
Manns Woodward
Studios, Inc.



City/State:
Baltimore, MD

Website: mwsarch.com

Design Team: Robert Manns, Principal Architect and Lead Designer; David Woodward, Principal Architect and Lead Construction Administrator; Evan Gray, Project Manager

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ACTIVE KILLER & TACTICAL EMS

Switching Gears from Neutralizing to Lifesaving

Once an active shooter/killer has been neutralized, is an officer's duty over? No. There is a lot more follow up work to be done to potentially save lives.

By Joshua Logan

As far back as the early months of the year 2000 active shooter response plans were developed as society demanded a shift in law enforcement response to the events as everyone saw them on national television at Columbine High School. Early on it was reasonable to expect the response plans focused on getting officers inside of the school to find and neutralize the attacker(s) with very little consideration given to any injured victims along the way. That was necessary and by design it was vital that the responding officers focus all of their energy on getting to the shooter and stopping him to minimize the number of casualties created.

Since that time, though, law enforcement has come to realize that the aftermath of the situation, scene management and recovery has to be planned for. Policy for such has to be developed, constantly evolve, and be trained as thoroughly as initial response is. How do we go about that?

Step one
The first step, acknowledge and document the need. Most agencies won't allocate budget dollars for a training increase, or even a change in focus unless the need can be

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Official Project Name:
Addison Consolidated Dispatch Center

Project City/State: Addison, IL

Date Completed: March 31, 2017

Chief/Director: Timothy Hayden

Project Area (sq. ft.): 20,763

Total Cost: \$11,019,931

Cost Per Square Foot: \$530.74

FGM ARCHITECTS

Architect/Firm Name: FGM Architects Inc.

City/State: Oak Brook/Illinois

Website: fgmarchitects.com

Design Team:

FGM Architects: Ray Lee, Principal-in-Charge; Jason Estes, Project Manager; Louise Kowalczyk, Design Principal; Raegan Porter, Interior Designer; CCE Engineering; WMA; McCluskey Engineering; Primera Engineering; Studio Bloom; Correct Electronics



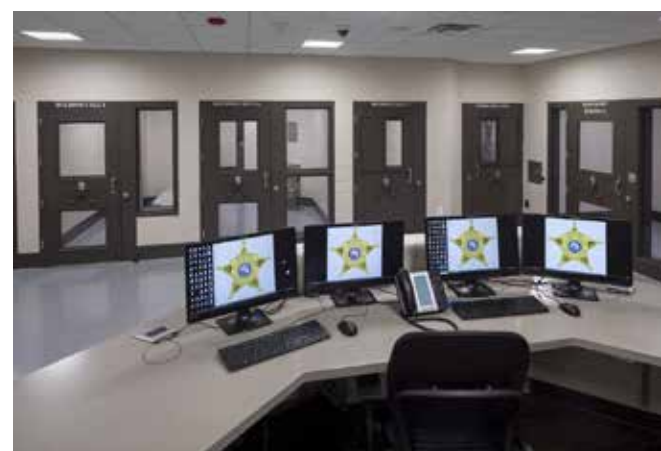
Addison Consolidated Dispatch Center

The Addison Consolidated Dispatch Center (ACDC) provides emergency communications services for multiple police, fire and EMS jurisdictions in DuPage County, Illinois, which is in the western suburbs of Chicago. Resilient design principles permeate this hardened facility that can withstand an EF4 tornado as well as a Ballistic Level 3 assault. ACDC's exterior design is intentionally downplayed to a very simple form that achieves the goal of maintaining a discrete public presence. Precast concrete wall panels are embellished with diagonal reveals that subtly reinforce the property's history as a former Nike missile site. The ACDC interior is designed to enhance the delivery of advanced emergency dispatch services in an environment that supports the well-being of

the staff. The operations center includes 34 dispatcher positions. The design of this high-volume space incorporates windows to optimize natural light and modulates sound with wood acoustic panels that add to the warm color palette. Ergonomic furniture maximizes comfort and productivity. Strategically placed white boards provide workspace and also serve as a stress-relief tool that staff use for informal drawing. Multiple flat screen monitors form a large video wall that provides live feeds, weather updates and other critical information. The ACDC includes a kitchen and break area with a café-like feel, an outdoor patio, fitness center and quiet room with reclining chairs to help dispatchers handle the stresses of the job. The facility also contains an emergency operations center which can be flexibly

arranged for training use while break-out rooms provide additional space for small group discussions. A secure lobby displays member-agency emblems and graphics that pay homage to the site's history. On behalf of its partner agencies, the Village of Addison, Illinois, commissioned the design and construction of the ACDC in 2015. It opened in 2017 and received CALEA accreditation that same year. ■





Official Project Name:
Le Sueur County Public Safety Center

Project City/State: Le Center, MN

Date Completed: Aug. 10, 2019

Chief/Director:
Darrell Pettis, County Administrator

Project Area (sq. ft.) 93,768

Total Cost: \$30,502,901

Cost Per Square Foot: \$325.30



Architect/Firm Name: BKV Group

City/State: Minneapolis, MN

Website: bkgroup.com

Design Team: Darrell Pettis, Administrator; Brett Mason, Sheriff; Jim McMillen, Facilities Director; Bruce Schwartzman, AIA; DuWayne Jones, AIA, LEED-AP; David Horner; Aaron Johnson; Douglas DeVos, CDT; Christopher Hutton, PE; Margaret Lafferty, CID; Jian-Jian Parks; Chad Kurdi, PE; Mike Dugan, LEED-AP; Lionel Dayton, PE; Brady Halverson, PLA; Ed Heinen, CSI, CCS, LEED AP

Le Sueur County Public Safety Center

Since 1914, the Le Sueur County Sheriff's law enforcement operations have repurposed a historic home of the sheriff. A hundred years later, the county moved forward for the next two-and-a-half years with the initial planning of a law enforcement center to address the county's public safety long-range requirements:

- Esthetic that reflected on the character and quality
- Visible and assessable to the community
- Dispatch operation with adequate redundancy and disaster resistance
- Secured single point of entry for the public

- Primary EOC with technology capabilities for an immediate activation
- Sheriff's operational area with ability to grow
- Evidence processing and retention that complies with Minnesota Bureau of Criminal and Apprehension requirements
- Expansion capabilities

The project was fast-tracked with site prep, foundation, and steel and precast panels started in October 2017. The 93,768-square-foot facility includes an 80-bed jail facility, dispatch, law enforcement center, two courtrooms, county attorney and administration offices, and emergency services. The

jail was designed to meet state requirements for long-term housing of inmates and planning for the increased issues associated with mental health treatment and support, as well as the safety of the staff. The new facility also boasts a pre-booking and booking area with multiple holding cells, a recreation room, library, classroom and medical room. The lower level is emergency management, use of force training, the emergency operations center and other support spaces. The main level houses sheriff's operations, emergency vehicle storage, evidence processing and storage, and county attorney/victim witness. The second level houses district courts, with two courtrooms and inmate staging

along with court operational space such as judges' chambers, attorney interview rooms, jury deliberation space and court administration. In addition, this level provides space for community corrections, public defender, court security operations, law library and human services staging area. ■



Saratoga County Public Safety Facility

Official Project Name:
Saratoga County Public Safety Facility

Project City/State: Ballston Spa, NY

Date Completed: Aug. 20, 2020

Chief/Director:
Undersheriff Richard (Rick) Castle

Project Area (sq. ft.): 64,000

Total Cost: \$26,000,000

Cost Per Square Foot: \$406.00

Architect/Firm Name:
H2M architects + engineers



City/State: Latham, NY

Website: www.h2m.com

Design Team: Dennis A. Ross, Director of Emergency Services Market, Architect, H2M; Katrina N. Pacheco, Office Director, Architect, H2M; David J. Pacheco, Director of Operations, Architect, H2M; Spring Line Design, Structural; Chazen Companies, Civil; Ken Hipsky, MEP & Fire Protection Fusion Systems Engineering, Commissioning Agent

Consolidating emergency response, coordination among multiple county departments, and the ability to withstand natural disasters and man-made threats were key drivers for the Saratoga County Public Safety Facility. The 64,000-square-foot building includes a Public Safety Answering Point (PSAP), Emergency Operations Center (EOC), emergency management, sheriff's department, public health and probation. The facility's core has ballistic and environmental disaster hardening, S2 door access system with varying audio/visual integration for remotely controlled access and shelter-in-place capability. Shared meeting, training and interview rooms, controlled entries, Sally Port and booking area with firearms storage for the sheriff, accessibility throughout for public and county employees, single-user restroom facilities in all departments, and gender appropriate locker and shower areas for the sheriff's department were design requirements. The steel-framed structure with cold-rolled steel members and 3-inch metal roof deck is separate from and surrounding the central poured-concrete EOC and PSAP; concrete walls are 16 inches thick on three sides and are protected by masonry-clad, steel-frame sections. The



remaining exterior face is 22-inch thick concrete with reinforcing to withstand a truck bomb at 100 feet. Additional berms and boulders prevent vehicle approach. Openings in concrete walls are limited to required HVAC intake and exhaust—which can be shut during shelter-in-place activities. The Department of Defense is the basis of design to address threats to EOC continuing operations. The main lobby is protected by bollards at the driveway edge that are rated to stop at vehicle at 45 mph. The sheriff's department windows are laminated for ballistic protection and the main lobby is built to Ballistic Level UL3. The sheriff's department entrances, and interior doorways have varying levels of electronic security to allow tracking and visual confirmation of activities in all areas. General evidence and firearm storage utilize high-density filing. Separate ventilation is provided for narcotics and evidence storage. ■





Northern Middlesex Regional Emergency Call Center

This hardened e911 regional emergency call center protects dispatch personnel and the systems they operate, allowing them to thrive in their jobs. Insulated Concrete Forms (ICFs) construction was chosen for its strength, cost effective speed and longevity. Stone and wood panels define the entrance, and metal panels comprise the remainder of the facades. The walls are ballistic resistant in all areas. Further, the building is situated away from the street to protect it from crash protection and allow future parking expansion. Natural light is brought into all spaces and each has a view to the exterior to provide stress relief for dispatchers as they take breaks from their day. Most buildings have one generator, here two redundant emergency backup generators protect the entire facility never allowing it to go offline. The expanded green site aligns with community sustainability goals using both rain gardens and bio-retention swales to manage storm water. Green space and trees were maintained and increased wherever possible. LEED Principles guided design of the site and building. The access road is shared with



the Tewksbury Department of Public Works to manage town traffic and limit impervious surface. A 180 radio tower was installed to provide seamless communication from all surrounding communities. The floor plan is efficient, designed for both current safety and future expansion. Dispatch is in the building's center to provide a redundant level of security. A person must enter through a secure building entrance, and then pass through an additional secure entrance to reach dispatch. Generous windows are placed high on the wall to allow daylight and views, yet not allow lines of sight to dispatchers. Other accommodations include a 40-person training room planned to be used by dispatch, police, fire, EMS and others. Showers and locker rooms allow personnel to prepare for arrival and departure from work. ■

Official Project Name: Northern Middlesex Regional Emergency Call Center

Project City/State: Tewksbury, MA

Date Completed: March, 1, 2020

Chief/Director: Ryan M Columbus

Project Area (sq. ft.): 6,200

Total Cost: \$3,800,000

Cost Per Square Foot: \$507.00

Architect/Firm Name:

The Galante Architecture Studio, Inc.



City/State: Cambridge, MA

Website: galantearchitecture.com

Design Team:

Theodore Galante, AIA, The Galante Architecture Studio; Paolo Carissimi, MA, The Galante Architecture Studio; Jamie Emerson, RA; James Stumbo, AIA, LEED AP, BC+D Stewart-Cooper-

Newell Architects, PA; Douglas S. Lajoie, PE, LEED, AP Consulting Engineering Services, LLC; Giancarlo G. Botazzi, P.E., SECB Green International Affiliates, Inc.





Mansfield Public Safety/DPW Municipal Complex



The 60-acre Mansfield Municipal Complex now serves as the primary public safety campus for the Town of Mansfield, Massachusetts. Located about 25 miles southeast of Boston, this progressive and dynamic community of 24,000 began planning to modernize its aging public safety infrastructure nearly a decade ago. Led by a



motivated, articulate chief of police, and life-long Mansfield resident, the police department was instrumental in formulating this comprehensive, long-term plan. In 2015, residents agreed to co-locate the police and fire departments in a new shared headquarters facility, located on the existing campus of the public works and water departments. They also planned to transform the old police station into a Regional Emergency Communications Center shared with the towns of Foxboro, Easton and

Norton. In addition to normal department operations for a community of its size, the department's 38 sworn officers are responsible for providing security at the 19,900-seat Xfinity Center, a popular amphitheater venue within the town. This was an important factor in the design of the processing-detention area within the facility. The 38,000-square-foot facility was built as the second phase of the Municipal Complex project. The first phase involved construction of a new DPW facility, so the old one could be demolished to make room for the new public safety building. During the design phase, residents called attention to a prized town artifact: a large Revere Foundry bell unceremoniously stored in the Mansfield Historical Society basement. Display of this bell was incorporated into the design of the facility's entrance atrium and is now a visible beacon, and witness to the historical continuum of the Mansfield community. Training/educational elements include a 50-seat training classroom which will double as the town's Emergency Operation Center (EOC) and host virtual scenario training exercises. Additionally, there is a dedicated defensive tactics training room. ■

Official Project Name: Mansfield Public Safety/DPW Municipal Complex

Project City/State: Mansfield, MA

Date Completed: Aug. 12, 2019

Chief/Director: Chief of Police Ronald Sellon

Project Area (sq. ft.): 39,400

Total Cost: \$35,000,000

Cost Per Square Foot: \$402

Architect/Firm Name: Kaestle Boos
KAESTLE BOOS
 associates, inc
 architects

Associates, Inc.

City/State: Foxborough, MA

Website: kba-architects.com

Design Team: Michael McKeon, Principal, Kaestle Boos; Joseph Milani, Project Architect, Kaestle Boos; Robert Mitchell, Fire Design, Mitchell Associates Architects; Dominick Puniello, Mechanical Engineer, GGD; Carlos DeSousa, Electrical Engineer, GGD; Christopher Garcia Plumbing, Fire Protection, GGD; William Buckley Civil Engineer, Bay Colony Group; David Odeh, Structural Engineer, Odeh Engineers



Official Project Name: City of Sumter Police Department and 911 Call Center

Project City/State: City of Sumter, SC

Date Completed: March 30, 2018

Chief/Director: Chief of Police Russell Roark III

Project Area (sq. ft.): 36,084

Total Cost: \$15,771,491

Cost Per Square Foot: \$250



City of Sumter Police Department and 911 Call Center

Due to Sumter's continued growth, the city selected Stewart-Cooper-Newell Architects to perform a full assessment of both the police and fire department's space needs. Based on our pre-planning efforts with the police department, the city determined that they needed a completely new facility, with the exact size to be determined during schematic design. This new facility is located adjacent to the new fire department headquarters station. Both facilities were designed and constructed at the same time. The City of Sumter's new police department facility also includes the emergency management operations division and a 911 response and dispatch center. The facility is equipped with K-9 officer kennels, breakrooms, two bay sally-port and multi-functional space designed and allocated for future expansion. The strategic and defensible space plan of the facility is equipped with state-of-the-art surveillance and access control systems, enhancing the secure environment for staff and visitors. The base structure is comprised of solid concrete walls,

thermally insulated and clad with brick. There is a secure central records area that serves as the control point for the facility behind the reception desk for visitor check-ins. Visitors are only allowed into the interior of the facility by escort. The left side of the facility contains the 911 dispatch center with consoles, servers and associated electronics. An adjacent area includes space for administrative support staff. The right side of the facility contains the areas for criminal investigations, OC-VC Investigations, juvenile and patrol personnel locker areas. The vehicular sally ports and canine holding kennels are adjacent to the investigations area. Both the police department and the adjacent fire department utilized the construction manager at risk design and construction delivery method. The design we developed provides durability and security to support the functions of the Sumter Police Department for years to come. ■



Architect/Firm Name: Stewart-Cooper-Newell Architects

City/State: Gastonia, NC

Website: scn-architects.com

Design Team: James C. Stewart, AIA, Quality Assurance Principal, Stewart-Cooper-Newell Architects; Kenneth C. Newell, AIA, LEED AP BD+C, IAFC Principal-In-Charge and Project Architect, Stewart-Cooper-Newell Architects; Gregory Scott, Project Manager, Stewart-Cooper-Newell Architects; Ren Ramsey, Construction Administrator,



Stewart-Cooper-Newell Architects; Hood Construction Inc., General Contractor





Houston Police Tilman Fertitta Family Tactical Training Center

As modern law enforcement becomes more complex, the Houston Police Department—like others across the country—needs to stay current in training. The Houston Police Foundation helped fulfill the HPD’s urgent need for a state-of-the-art tactical training facility. Keeping abreast of rapidly evolving policing and training needs during the course of this project had potential to pose a challenge as they progressed from initial programming through design and construction completion. In the end, it reinforced the urgent need for the facility. The initial design fulfilled all of the department’s needs and required no changes as it served both cadet training and active officers for on-going tactical training. Designed and constructed to simulate an entire village under a single roof, the interior of the 44,000-square-foot hangar-like building has four quadrants running along an urban streetscape with road intersections, allowing for dynamic training with actual tactical vehicles. Three quadrants contain physically realistic replicas of building types—a school, convenience store, hotel, office and a bank—so

realistic that “even the donuts will seem real by the time we finish staging our training events for cadets,” said one academy training officer. The fourth quadrant includes reception lobby, four administrative offices, four civilian workstations, two 8-man bullpens for patrol and tactical officers, a break room, restrooms with showers, and a 120-degree video simulator to provide practical training in a virtual environment. An audio-visual control room houses controls for strategically placed recording cameras, and a library of sounds and lighting scenarios. The A/V can be remotely operated from a trainer’s handheld device while observing from the continuous catwalks suspended above. There are breach doors and windows in the education module, as well as lockers used for training on explosive device detection. The hotel module is complete with an elevator shaft, rappel and “fast rope” areas. ■



Official Project Name:

Houston Police Tilman Fertitta Family Tactical Training Center

Project City/State:

Houston, TX

Date Completed:

June 1, 2020

Chief/Director:

Chief Art Acevedo

Project Area (sq. ft.):

44,000

Total Cost: \$8,949,618

Cost Per Square Foot:

\$203.40

Architect/Firm Name:

Ziegler Cooper Architects



City/State: Houston, TX

Website: zieglercooper.com

Design Team: Steve Lucchesi, Principal-in-Charge, Ziegler Cooper Architects; Eric Korth, Senior Project Manager, Ziegler Cooper Architects; Adam Cryer, Principal, Pinnacle Structural Engineers; Kutubul Mainuddin, Civil Engineer, KUO Associates; Mark Seibert, Principal MEP, CMTA Engineers; Tom Sorrell, Principal A/V Design, CMTA Engineers; Wayne Wilson, Technology Design, CMTA Engineers; Steve Crawford, President/CEO, Comanche Contractors



The Chester County Law Enforcement Training Center

The Chester County Public Safety Center is a state-of-the-art joint-use public safety complex promoting collaborative training amongst police, fire, EMS and other emergency management personnel. Law enforcement training occurs within a 33,500-gross-square-foot Indoor Firing Range and Classrooms Building and a separate 4.5-acre Tactical Village Training Site. The Tactical Village is organized along a sloping site for practicum based joint use training between police, fire and EMS. The environment simulates realistic outdoor conditions that public safety personnel are likely to encounter within their community. The Tactical Village is equipped with the MILES system—a technology that utilizes blank cartridges and sensors—allowing responders to train for hostage, active shooter and mass casualty scenarios. Joint use structures such as the burn building and five-story drill tower are designed to be used by police, fire and EMS personnel for search, rescue, room clearing and forced entry training. The structures feature adjustable maze systems, confined spaces and integrated sound systems capable of playing ambient sounds to further



simulate realistic conditions. The Firing Range and Classrooms Building provides law enforcement personnel with defensive tactics rooms, simulation labs, classrooms, offices and break rooms as well as simulated and live fire ranges. The building provides an environment for all first responders to train in both academic and practicum scenarios. The ranges provide three training conditions including twelve 50-yard fully baffled tactical lanes capable of housing regional transportation busses and other large pieces of equipment, four 100-yard lane static position firing range for counter-sniper training, and a 50-foot by 50-foot shoot house with adjustable maze panels and an instructor mezzanine. The defensive tactics rooms allow for hands-on officer training while the simulation labs utilize technology to present different training scenarios relating to emergency vehicle operation, decision making and use of lethal force. ■

Official Project Name: The Chester County Law Enforcement Training Center

Project City/State: South Coatesville, PA

Date Completed: Jan. 1, 2018

Chief/Director: Director of Training and Development J. Patrick Davis

Project Area (sq. ft.): 33,500

Total Cost: \$14,000,000

Cost Per Square Foot: \$418

Architect/Firm Name:
Manns Woodward
Studios, Inc.



City/State: Baltimore, MD

Website: mwsarch.com

Design Team:
Robert Manns,
Principal Architect
and Lead Designer,
Manns Woodward
Studios; David
Woodward,
Principal Architect
and Lead
Construction
Administrator,
Manns Woodward
Studios; Gary
Campbell, Senior
Project Manager,
Manns Woodward
Studios; Evan Gray,
Project Architect,
Manns Woodward
Studios

