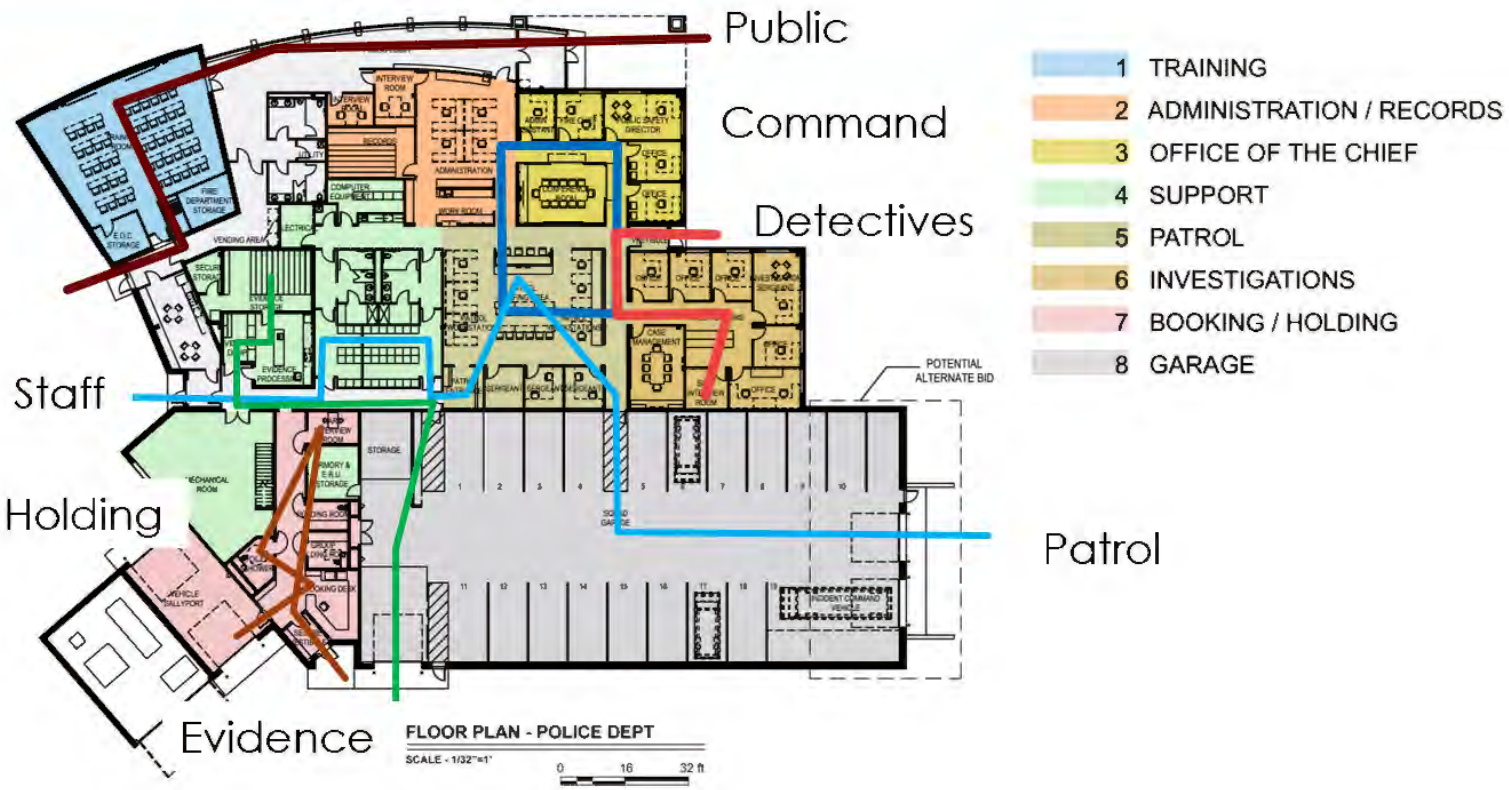
4. Related Project Experience

PROCESS-DRIVEN DESIGN

Our office uses process driven design strategies. Our Emergency Services Specialists have a career's worth of experience managing a department's resources. Working together, we will blend best practice, public safety operational work flow with your department's culture to produce an individualized work environment that maximizes the utilization of your resources.

Your departments are made up of a wide array of functions and processes. Although their overall emergency response goals are similar in what police and fire provide, their needs in a building are different in regards to how they live in the same building together. We blend those common needs forming areas of shared space, but also space that is designated for each entity within that structure.



Five Bugles Design

GENERAL RENOVATION PROJECTS

Not all renovation or remodeling projects are historical renovations, but they do require a great deal of care during the documentation and design process. Our team begins by putting any existing drawings/documents into a computer modeling/drafting program (often Revit) to create a rough floor plan. Once the existing plans are drawn, our team carefully walks through the facility, noting any inaccuracies and checking dimensions to create an accurate floor plan of the facility to begin the design process.

During this walk through we note any ADA concerns, items that are no longer code compliant, safety concerns, items that are beyond their expected life expectancy, items that might have contaminates such as asbestos, and any items that should be reviewed further. This process can involve multiple trips to the site, trips with our engineering staff, 3D scans of the facility, x-ray scanning of existing slabs, and selective deconstruction of walls, ceilings and floors to know what is under the surface depending on the nature of the project.

In addition to general architecture systems, the same care needs to be taken in evaluating and documenting the buildings mechanical, electrical, plumbing and structural systems, as well as the site and the surrounding areas.

During any renovation project, this documentation phase is incredibly important as unforeseen conditions can be a very costly item once in construction.

Our team has worked on renovation projects ranging from small toilet room remodeling projects to major, multi-million dollar renovations in schools and hospital settings. In regards to fire stations we're currently working with the Wisconsin Rapids Fire Department on renovating their two stations, and with the La Crosse Fire Department on renovating their Central Station, as well as completed renovations in Red Wing, MN, Stoughton, WI and Stevens Point, WI; among many others.

HISTORIC RENOVATION PROJECTS

If the structure is a historic landmark, of significant historic value, or the Owner would like to maintain the historic integrity of a structure, there are four approaches to preservation:

- **Preservation** project, the design team with work with the Owner to design the least amount of changes to the original structure. Any additions or changes made in a preservation project would be made as inconspicuous as possible. This is the most historically accurate of the four preservation techniques.
- **Reconstruction** preservation technique, which is brand new construction that is designed to mimic a historically accurate structure. *(The least historically accurate.)*
- **Rehabilitation**, which retains and repairs as much as possible but replaces items as needed.
- **Restoration** which removes inaccuracies and replaces missing items fall between Preservation and Reconstruction in terms of accurateness.

The level of preservation will be determined by the National Register of Historic Places.

Due to vehicle size alone, often with fire departments and their equipment have physically outgrown historic buildings. However, many departments have a strong desire to maintain traditional roots. These traditional elements are often then reflected in many of our fire stations. Currently, the La Crosse Station 4 is being designed to reflect the historic station that it will replace.

CARCINOGEN OR CONTAMINATION PREVENTION, HAZARDOUS MATERIAL HANDLING

In addition to the personal decontamination process that was discussed in the experience section, Five Bugles Design has also worked with different departments on abating hazardous materials, including asbestos and lead, found in their existing structures. During any renovation project, a hazardous materials assessment and report will be created which notes all hazardous materials in the facility, and what action is suggested moving forward.

During the design of the Eau Claire Fire Station No. 10, it was discovered that about half of the site had been a landfill in the early 1900's. In order to prepare the waste land to receive this new facility, the ground was excavated to depths of 30' to remove materials, and a passive vapor system was installed under the building slab to help divert any potential carcinogens from entering into the facility.

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Design features may include:

- Orienting the tower to allow access on three sides.
- Windows or window openings with covers to simulate second story ladder rescue.
- An internal stairway to extend hand lines to an upper story.
- A standpipe pump-in connection system on the outside of the tower and standpipe connections at each level of the tower.
- The building sprinkler system pump-in station is also used to simulate sprinkler water and pressure support.
- A lone sprinkler head at the lowest level of the tower to train how to isolate a single sprinkler head while allowing the remaining system to be operational.
- Smoke opening connections on all floors of the hose tower to simulate rescue under zero visibility conditions.
- Rappelling tie off connections at the highest level to simulate repelling rescues.
- A manhole on the second floor of the tower to allow confined entry training.
- Window or roof access at the top of the tower to allow firefighters to use ropes to raise and lower fire department equipment.

TRAINING

Our team has extensive experience in regional training facilities as well as creating staff training opportunities within a public safety facility.

At the core of any successful and efficient fire protection program is public safety facility training. Community expectations for delivery services over the last decade have grown to a level never anticipated. Emergency medical services, hazardous materials, confined entry rescue, fire ground management techniques, communications, domestic terrorism and international terrorism are not hypothetical scenarios, but realities. Designing these high-risk but low-frequency training opportunities into the new fire station is critical to a department's level of ability to face the new challenges these situations present.

Our two teams are national leaders with our innovative approach of incorporating training programs into building design. In our discussions during the initial programming and space orientation phase of the building process, we spend a great deal of time talking about the department's existing training program. We take this time to gather as much information as possible and then offer design solutions that include in-house training space. Firefighters will be on hand during training sessions if a major emergency occurs.

One of the training opportunities that we have included in numerous fire stations is the use of a training tower for both drying fire hoses and for practicing in a multistory internal/external training platform.

Master planning of emergency services facilities involves taking the entire scope of the project into account, not just the building. Our team has worked with all of our clients to design training needs into their overall site plan, whether that includes live burn towers, extrication training needs, confined space training, etc. Each project comes with a need and/or idea for training and our team has acted on integrating those ideas into an eventual design.

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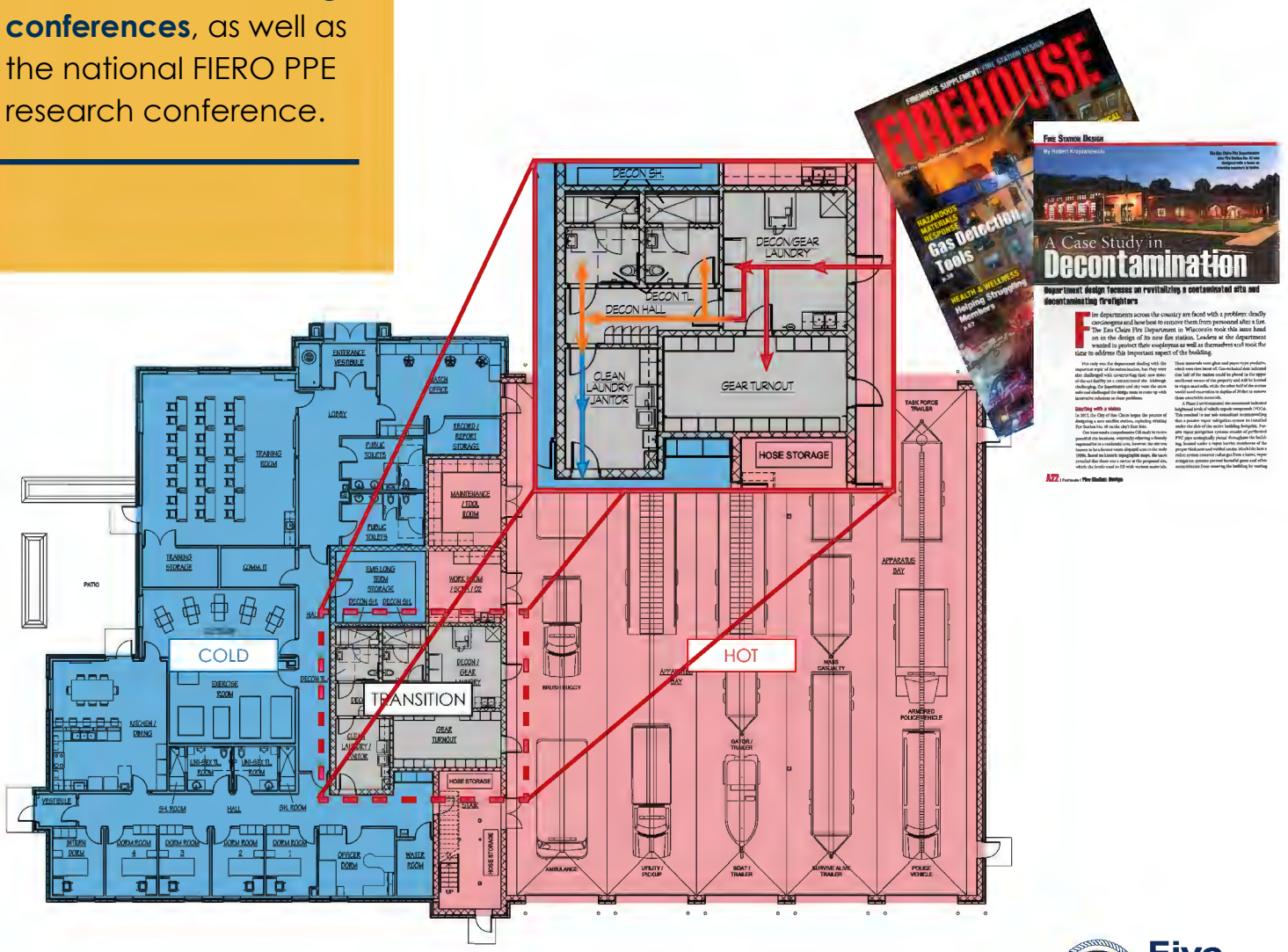
Robbie Krzyzanowski is a **featured writer on personnel decontamination** in Firehouse Magazine, and **Bob Mitchell lectures on it at the FIERO and Firehouse station design conferences**, as well as the national FIERO PPE research conference.

PERSONNEL DECONTAMINATION: EMERGING TRENDS

Over the past decade, there has been an increase of cancer diagnoses for those men and women in the fire services, as well as for their loved ones at home. In an attempt to help keep firefighters and their families healthy, we have created a personnel decontamination process which separates the fire station into zones (hot and cold), and therefore helps to reduce the spread of cancer-causing contaminates.

This process includes decontaminating trucks, gear, and of course, people. Restricting contaminants to the hot zones and having staff transition to the cold zones ensures that they are free of those contaminants after responding to an emergency.

Our award-winning team members have proven their expertise in the design and development of decontamination spaces. By constantly pushing the limits and creating (not just following) the emerging trends, we are regularly given the opportunity to speak to our peers and emergency services professionals at conferences throughout the country, as well as publish articles in national publications showcasing our unique and user-focused decontamination processes.



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MANAGING COST & QUALITY

Given the vast experience in fire station projects, our team has an extensive database of station construction cost data. Our estimating procedure is to provide ever more detailed estimates as the design process advances and less and less assumptions are required. Our cost estimating track record is outstanding.

We are particularly proud of the fact that our staff has worked diligently to ensure that our clients get the best value through the bidding process. We are happy to provide you cost data from our team's most recent projects.

Not only are we designers, but our firm specializes in the construction of municipal facilities. This ensures our cost estimating is spot on when or if this project were to move forward. We consider ourselves design-professional proficient in leading the craft of building construction and the art of architecture and engineering. We offer the service of being your trusted advisor during design and construction, of which we call our Master Builder Approach.

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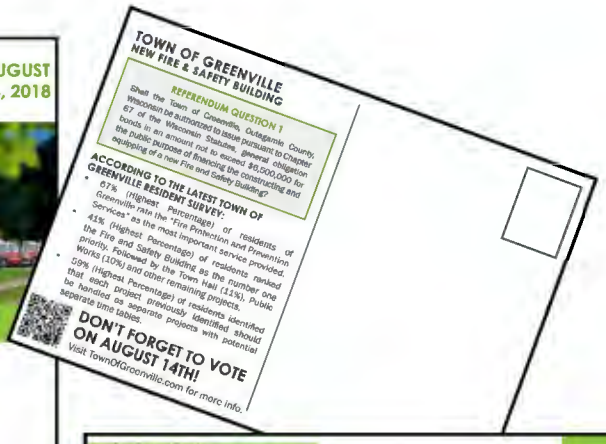
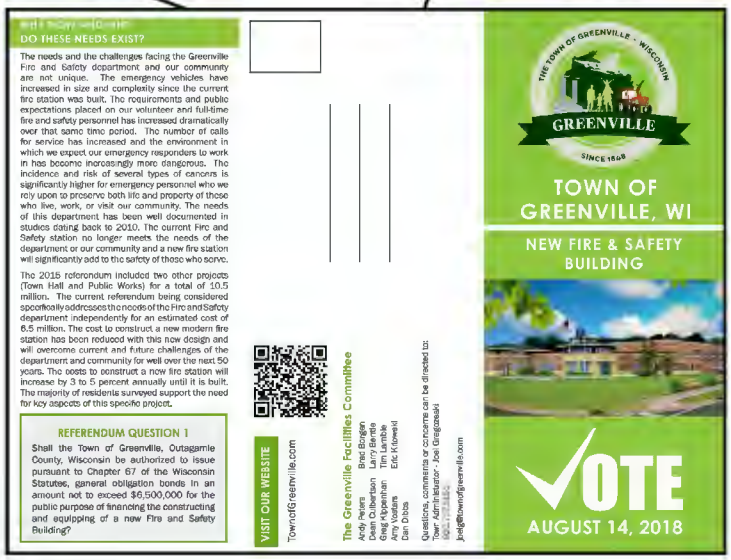
PUBLIC ENGAGEMENT

Public engagement is critical to our philosophy of gaining project support from project participation. Successful public campaigns are the result of effective planning, transparent communication of a value-based solution, and support at the local level by municipal staff and officials.

- Public hearings and neighborhood groups provide opportunities for interactive progress updates with concerned citizens.
- The local press presents an opportunity to present the project in a positive light at chosen times throughout the project.
- Web-based project sites are available to provide meeting notes and project updates.
- Every community is different and presents a different set of challenges to the communications of project information and project approval processes. We will work with your team to develop a combination of the elements that works best.
- Assistance with social media postings.
- Referendum Assistance.
- Graphics for monthly news letters and websites.
- Produce mailers, postcards, and newsletters to be mailed to public.
- Create fliers to be posted around community.





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PUBLIC SAFETY BUILDING LEED PROJECTS:

Buffalo, MN
Marshfield, WI
Menomonie, WI
Chisholm, MN.

OTHER LEED PROJECTS WITHIN OUR FIRM:

Village of Westfield, NY
City of Beacon, NY
Village of Fredonia, NY
Syracuse, NY
Village of Horseheads, NY
City of Phoenix, AZ
Lynchburg, VA
Savannah, GA
Niagara Falls, NY
Blacksburg, VA
Rapids, MI
Lorton, VA
Binghamton, NY
Bridgeport, CT

SUSTAINABLE DESIGN

Standard design features include:

- Natural Light
- In-Floor Heat
- Building Envelope Exceeds Building Code Requirements
- Other exciting technologies:
  Photovoltaics, Solar Walls, Water Reclamation Systems, Green Roofs, White Roofs, Geothermal, Wind Power, Purchasing Renewable Energy Credits from Local Energy Co-Ops, Etc.

INDUSTRY LEADERSHIP & ENVIRONMENTAL STEWARDSHIP

As a design and construction firm, we recognize that our projects can have a significant impact on the environment and we are passionate about advancing opportunities that raise the bar on sustainability. This carries through into how we operate as a company, how we pursue our work, and how we interface with the world in our daily lives. Wendel's sustainability legacy will be how we respected the environment and our community.

Our Sustainability Charter identifies both short- and long-term sustainability goals, and establishes metrics to evaluate our successes, identify areas for improvement, and creates a roadmap for greater engagement in initiatives across departments and offices.

As part of the Wendel Strategic 2020 Plan, a "Stewards of the Environment" leadership group was created to help drive the "practice-what-we-preach" element into a larger energetic group. Wendel has set six goals to help prioritize sustainability efforts for increasing energy efficiency, increasing staff awareness, increasing engagement with the community, and creating a platform to track and document efforts. Progress will be evaluated annually in conjunction with implementation milestones. The Stewards team provides on-the-ground support to implement the initiatives, collect data, and lead communication and reporting efforts.

REFERENCES

The public safety clients and associated projects referenced below are an example of the experience our team brings to your project, whether a study or complete design. Everyone of these projects brings with it a certain set of knowledge gained that can ultimately be passed onto the Village of Saranac Lake. Attention to detail and a thorough Quality Assurance/Quality Control Plan helps keep construction costs increases far below industry standards.

Five Bugles Design References

Project Name	Completion Date	Size (sf)	Project Type	Project Manager	Client Name/Number	Building Construction Cost				Reason for Change in Price
						Initial Budget:	Pre-bid Estimate:	Bid Total:	Final Cost:	
City of Eau Claire Station No. 10	July 2018	16,450	Fire & EMS	Robert Krzyzanowski	Chris Bell, Fire Chief (715) 839-5012	$4M	$4,256,158	$4,024,274	$4,130,000	All estimates shown are provided by the Construction Manager for each particular project, however we do have our own in-house estimating team. We take great pride in that since Five Bugles began, we have never had to redesign or rebid a project because it came in over the projected budget. Our final costs are always well within the 5% project contingency and our change order average is well below the industry standard of 3%. It is also important to note that these costs are for ALL changes during construction, including Owner Requested Changes.
Chippewa Falls Station No. 2	April 2017	20,000	Fire & EMS	Robert Krzyzanowski	Lee Douglas, Fire Chief (715) 723-5710	$4M	$3,888,822	$3,799,862	$3,931,997	
Janesville Central Station	April 2016	31,500	Fire & EMS	Robert Krzyzanowski	James Ponkauskas Deputy Chief (608) 755-3050	$6M	$6,000,000	$5,914,700	$6,176,289	
Ashland Fire Station	Fall 2015	21,240	Fire & EMS	Robert Krzyzanowski	David Wegener Fire Chief (715) 682-7052	N/A	$4,650,067	$3,742,473	$3,667,588	
Greenville Fire & Safety	December 2019	24,680	Fire	Robert Krzyzanowski	Eric Kitowski, Fire Chief (920) 757-5151	N/A	$6,000,000	$5,914,700	$6,500,000	

Mitchell Associates References

Project Name	Completion Date	Size (sf)	Project Type	Project Manager	Client Name/Number	Building Construction Cost				Reason for Change in Price
						Initial Budget:	Pre-bid Estimate:	Bid Total:	Final Cost:	
Fire HQ, Purchase NY	2020	Existing: 16,461 Addition: 14,669	Reno & Addition; Fire Station	Ken Gale	Purchase Fire District Bob Makowski, District Secretary (914) 253-9044 rmakowski@purchasefd.com	$8,188,900	$7,630,034	$8,732,493	$8,116,428	Project Value Engineering reduced final cost by -$616,064.
Long Hill Fire Station Trumbull CT	2019	17,345	New Construction; Fire Station	Ken Gale	Long Hill Fire Co. Greg Sanfanandre, Asst Chief & Committee Member (203) 814-0983 © gsanfanandre@longhillfd.com	$7,840,506	$7,840,506	$7,840,506	$8,029,075	Design-Build. All changes were Owner-driven costs. A/E change orders = 0.00%.
Fire HQ Peekskill NY	2018	30,788	New Construction Fire Station	Ken Gale	City of Peekskill John Pappas, Asst Chief, retired (914) 879-2724 © Phscoach@aol.com	$11,257,800 (2007 SD estimate)	$11,336,216 (2015 CD estimate)	$12,114,000	$12,202,128	$88,128 in overall change orders. A/E change orders = 0.09%.
Fire HQ South River NJ	2018	23,461	New Construction; Fire Station	Ken Gale	Borough of South River Art Londensky, Borough Mgr (732) 257-1999 X 519 alondensky@southrivernj.org	$7,032,105	$7,314,533	$7,407,000	$7,623,203	$216,203 in overall change orders. A/E change orders = -0.12% via V/E during construction.
Niagara Vol. Fire Co. Fire HQ Schoharie NY	2017	20,313	New Construction; Fire Station	Ken Gale	Niagara Engine Co. #6 Martin Shrederis, President, Treasurer (518) 533-8199 MShrederis@nycap.rr.com	$4,797,765	$5,321,788	$5,812,000	$6,139,167	$327,167 in overall change orders w/winter conditions request accounting for $200K of this total. A/E change orders = 0.30%.

Feasibility Study:

Completion 2020

Dan Chapman Fire Chief
380 High Street Victor, NY 14564
585.924.5955

FISHERS FIRE DISTRICT FIRE & EMS STATION

Fishers, NY

Five Bugles Design/Wendel was hired by Fishers Fire District to perform a feasibility study of the Districts two existing facilities. This study included reviewing the location of both stations, their physical condition, code and ADA compliance, the building systems, and their overall functionality. Aiding in the location assessment, FBD also utilized GIS software to provide the client ideal locations for the best response times throughout their district. Finally, space needs analysis and station programming was performed as a two station model.

During this process, the district made the transition to move from volunteer model to a career model. This change was analyzed and needed to be reflected in any potential solutions.

The final report recommended remodeling, as well as potential additions to their existing central station (station 2) to become a satellite station. Due to the physical condition, location and building systems being past their life expectancy, it was recommended that Station 1 be replaced, and for its replacement to become the districts new central station. The GIS report indicated several locations for this new central station to be constructed and conceptual plans were created.

It is anticipated that the recommendations from the study will be acted upon within the upcoming years.

Five Bugles Design

Station Highlights:

- 22,480 sf
- Volunteer/Career Station: Fire & EMS
- 6 Drive-through apparatus bays
- Training Center
- Dormitories with pass-though gear lockers
- Kitchen
- Dining Room
- Day Room

$8,500,000
(Schematic Design OPCC)

New Construction

Ongoing

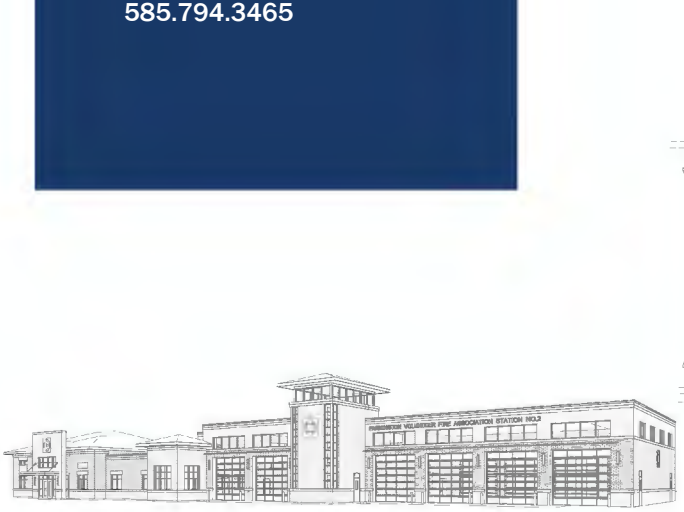
Dylan LaBrake
Farmington Volunteer Fire Assoc
Station #2
dylanlab@gmail.com
585.794.3465

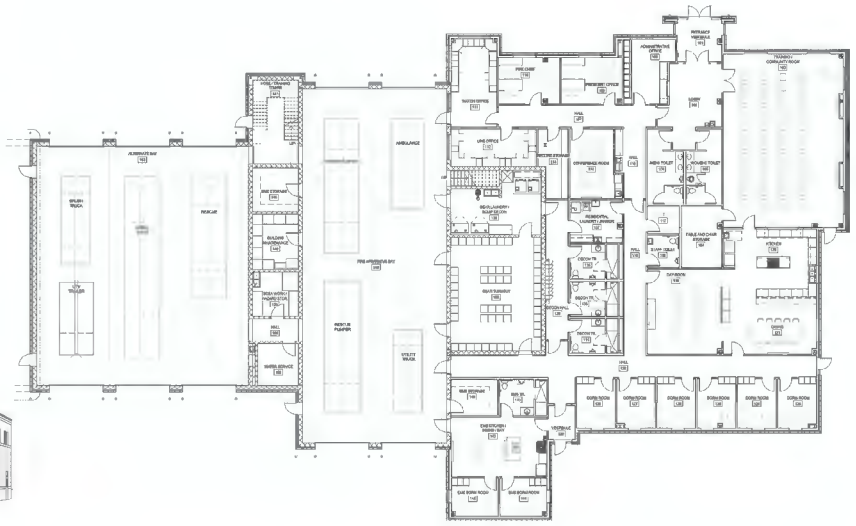
FARMINGTON VOLUNTEER FIRE STATION #2

Farmington, NY

Following a feasibility and site analysis performed by the Five Bugles Design/ Wendel team in 2019, the Town of Farmington Volunteer Fire Association selected a preferred site for a new station to replace their existing Fire Station #2. The new building would allow their volunteer station to expand to better serve the community and also allow them the flexibility to someday become a career station with additional paid-on-call staff. This station provides fire and rescue services within the Town of Farmington while providing Mutual Aid to the surround towns of Canandaigua, Macedon, Manchester, and Victor as well as the neighboring Counties of Monroe and Wayne. The Architectural Design was the result of numerous public presentations and open house forums during both programming and schematic design phases of the project.

The Five Bugles Design/Wendel team continued their partnership with the Volunteer Fire Association, and developed a schematic design report, schematic design plans and an Opinion of Probable Construction Cost. The schematic design report included narratives and plans for Architecture, Structural, and Site Civil, and included brief narratives of proposed systems for Electrical, Mechanical, Plumbing, Zoning, and NYS SEQR. The final report and plans give the Association the necessary tools to start discussions with the Town and various approval agencies. They are also well-positioned to start the fund-raising process to move forward with design and construction.





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COLD SPRING PUBLIC SAFETY BUILDING

Cold Spring, MN

Station Highlights:

- 4 Drive-through apparatus bays
- Training Center
- State-of-the-art Decontamination zone

Anticipated $6.5M Total

New Construction

Ongoing (June 2022) Est.

Brigid Murphy
City Administrator
27 Red River Avenue S
Cold Spring, MN 56320
320-685-3653
bmurphy@coldspring.gov

The City of Cold Spring hired Wendel, home of Five Bugles Design, after an independent assessment of their current Fire and Police station recommended its replacement.

The Five Bugles team is now in the early phases of designing the new Public Safety Building for the City's the full-time police department and the volunteer fire department. Budget, efficiency of space, and workflow are the primary drivers in the design of this new facility. Special attention was paid to consolidate space used between the two departments, with all shared spaces located in the central core of the facility.

Directly off a secure lobby will be a community training room, a soft interview room, public restrooms, and an administration desk large enough to accommodate two people in the future. Both departments have direct access to their spaces off the lobby, as well as access to a joint work and copy area.

The police department is efficiently comprised of private offices, a break room, and a large command conference room wrapping around an open office for patrol officers.

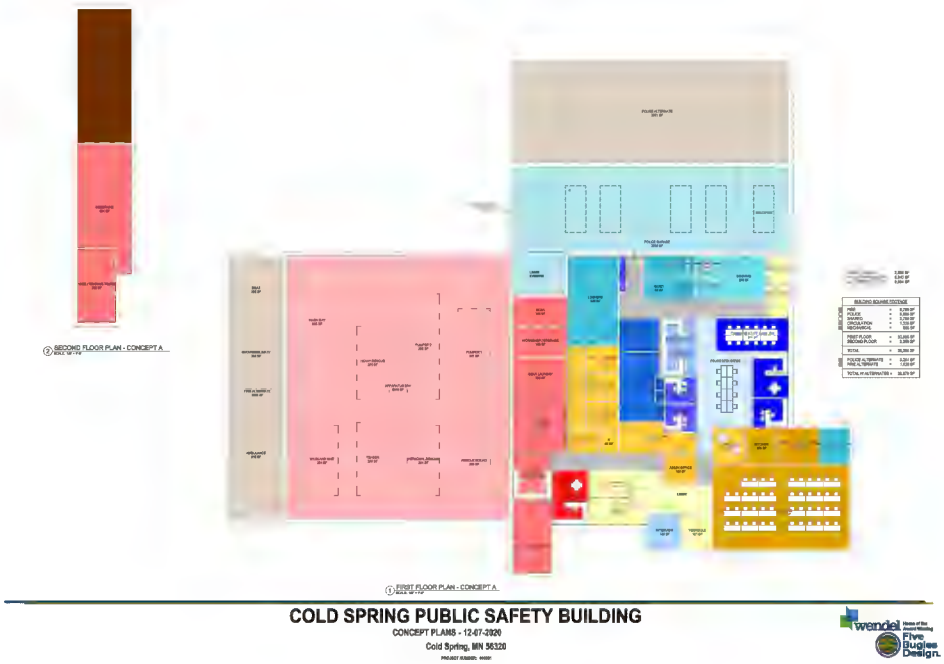
A booking area with a hard interview room is located off the departments sallyport and garage, with a direct exterior exit for detainee dispatch.

The department spaces also include a large evidence intake and storage space, an all-gender open locker room, gun cleaning, and a private quiet room to allow officers a personal space.

The police locker room is designed to be able to share three individual showers and a residential laundry room with the fire department to help reduce redundant fixtures spaces between the departments.

Located off the fire departments four-bay apparatus bay, with an alternate for a fifth bay, is a multi-purpose tower that will be used for training, hanging hoses to dry, and as access to the mezzanine. A state-of-the-art personal decontamination zone will include PPE storage, gear laundry, SCBA cleaning, showers, and residential clothing laundry spaces. A work shop and a watch comm office will be located just off the apparatus bay, with an adjacent large private office for the fire chief.

With design underway, the Cold Spring Public Safety Building will bid in Spring 2023 with final completion in Summer 2024.



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CHISHOLM PUBLIC SAFETY BUILDING

Chisholm, MN

Station Highlights:

- 24,350 sf building with 5,350 sf for police department, 11,250 sf for fire department
- PD operates 24/7 and FD is paid on call with no full time employees
- Training room designed for public access as community room
- One bay of FD designed as alternative for cost control

$5,500,000 (estimated)

New Construction

2022

Vern Manner, Chief of Police
vmanner@ci.chisholm.mn.us

The City of Chisholm, located in the heart of the Iron Range of northern Minnesota, hired Wendel and the Five Bugles Team to provide architectural and engineering services for the design of a new Public Safety Building.

Their existing downtown facility is more than 100 years old and has had limited upgrades to the facility since that time. A facility study quickly determined that replacement of the structure was necessary.

A new 24,365 sf facility will be constructed as a replacement on a City-Owned site located just outside of downtown, on Yearlong Lake. The new public safety building will house the City's full-time police department, their paid-on-call fire department, and some community spaces to be shared by all city departments.

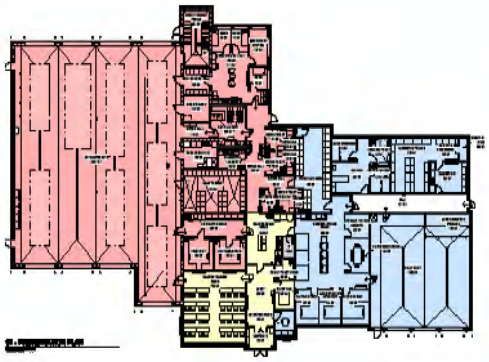
The Police Department facilities will include offices, a soft interview room off the public lobby, an all-gender locker room, a booking area including soft and hard interview spaces, and an evidence processing and storage area.

A dedicated three-bay garage space is also designed to be two vehicles deep, allowing protection of up to six vehicles in inclement weather and serving as the departments sallyport.

The Fire Department facilities include a four-bay apparatus bay, state-of-the-art personal decortication area, volunteer responding area, a small after-action review room, and general office space. A tower will be located off the apparatus bay to serve the department as a training tower as well as a hose drying tower.

Along a central core between the two departments, are community and shared spaces. These spaces include a community room, public restrooms, a shared break room, and an exercise room that will be available to all city employees.

This new facility is schedule to break ground in Spring 2023 with construction to be completed in 2024.



Five Bugles Design.

Station Highlights:

- Architecture
- Construction Administration
- Emergency Services Specialist

$8,900,000

New Construction

Spring 2020

Jay Forster
Assistant Fire Chief
(952) 563-8968
jforster@bloomingtonmn.gov

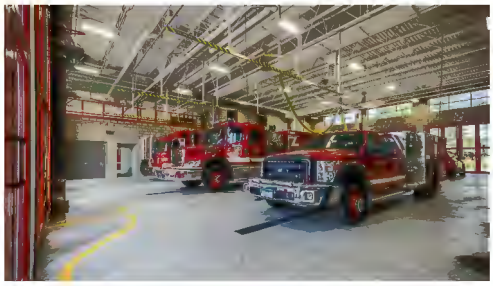
BLOOMINGTON FIRE STATION NO. 3

Bloomington, MN

The City of Bloomington Minnesota constructed many of their six fire stations in the 1960's and 1970's. All of those stations are still in service today with only minor updating in the intervening years. As a first ring suburb of Minneapolis, the City of Bloomington is home to the Mall of America with a population of over 85,000. The Fire Department is a combination career and volunteer organization.

The City and the Fire Department commissioned Wendel to assist them in the first step of the process to replace these facilities, with new, modern stations with the intent to keep most of them on their existing sites. The initial study lead to the design of fire station no. 3, a 30,000 sf new building with 6 apparatus bays.
The station will replace the existing station 3 which is located 2 blocks away. The project is necessary because the current fire station no longer meets the needs of the fire department. The station is 50 years old, and the cost of maintaining and repairing the old building has become unsustainable.

The design of fire station no. 3 was intended to create a common architectural language to be used on all stations as they are constructed in the future.



Five Bugles Design™

Project Highlights:

- Architectural Design
- Master Planning
- Interior Design

Spring 2023

Estimated $7.7 Million

Todd Prafke
City Administrator
(507) 934-0663
toddp@saintpertermn.gov

ST. PETER FIRE STATION DESIGN

St. Peter, MN

The City of St Peter, MN hired Five Bugles Design to design a new state of the art fire station in St. Peter, MN. This 23,100 square foot facility will be funded using USDA borrowing and paid for through a community referendum supporting a .5% sales tax. The facility was designed with five bays in the base bid and a sixth bay as an alternate. Other various alternates are included in the design such as ice-melt on the apparatus bay aprons, concrete in lieu of asphalt aprons, fluid applied flooring in the apparatus bays and four-fold doors in lieu of standard overhead doors.

The department is a volunteer department and took on the process of decontamination by designing those features into their new facility. This includes PPE storage, gear laundry, decontamination hallways and decontamination toilet/showers with steam capabilities. Training within the station was a requirement of the department and a Training Tower sits proudly between all the apparatus bays on the front elevation as well as a training room within the administrative areas.

The training room can accommodate up to 50 personnel sitting at tables and chairs as well as a kitchen that is large enough to support various community events. The remaining rooms in the facility include various offices for ranked department members, a conference room, maintenance offices and a staging area.

The facility bid in June 2022 with construction beginning that summer. Construction completion is estimated to be sometime in Spring 2023.

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GREENVILLE FIRE & SAFETY

Greenville, WI

Station Highlights:

- 24,680 SF
- Volunteer Station: Fire & EMS
- 6 Drive-through apparatus bays dedicated to fire
- Training Center
- State-of-the-Art Decontamination Zone
- Exercise room
- Shell-out space for future living quarters

$6,200,000

New Construction

December 2019

Eric Kitowski
Deputy Cheif
W6860 Parkview Drive
Greenville, WI 54942
(608) 358-1942
Ekitowski@townofgreenville.com

The Town of Greenville selected the Wendel/Five Bugles Design team to provide a feasibility study and assist in referendum support for replacing their existing central fire station. While working with another architectural firm, the Town experienced a 70/30 failed referendum in 2015. Our team was then hired to reconsider the Town's needs while reducing the size and cost of the proposed station. The result of these reductions and our informational campaign resulted in a successful 58% supported referendum in the Fall of 2018.

Immediately following the successful referendum, the Wendel/Five Bugles Design began design of the new 24,680 S.F. volunteer fire station.

This new facility will include a training room, training tower, administrative offices, exercise room, state-of-the-art decontamination area and six drive-through apparatus bays.

With an eye on the future, the project also includes building out the exterior shell for future living quarters (2,290 sf) to be completed when the need arises. Future living spaces will include six dorm rooms, a day room, kitchen and dining room, until then this shelled out space will serve the department as a training space.

Construction was complete in 2019.

Five Bugles Design™

WAUSAU FIRE STATION NO. 2

Wausau, WI

Station Highlights:

- 15,233SF
- Career Satellite Station: Fire & EMS
- 4 Drive-through apparatus bays
- Training Center
- Training Tower
- State-of-the-Art Decontamination zone
- Exercise Room
- Dormitories with pass-though gear lockers
- Kitchen
- Dining Room
- Day Room

$4,600,000

New Construction

Spring 2020

Robert Barteck, Fire Chief
Wausau Fire Department
606 E Thomas Street
Wausau, WI 54403
(715) 261-7901
robert.barteck@ci.wausau.wi.us

The City of Wausau selected the Wendel/ Five Bugles Design team to design a replacement facility for the existing station no 2 which serves the city's west side. Through GIS study the ideal site location for this new station was located on Highway 52. Due to the predominance of this location, this new station was designed to serve as a gateway into the Downtown.

This satellite station features complete living quarters with 6 dorm rooms, a training room, a training tower, and exercise room, as well as a state-of-the-art decontamination area and four drive-through apparatus bays.

Though public access will be limited to this station, it was designed to have a community zone with access to public toilets and the training room while the rest of the station will remain secure from the public.

Construction began in Summer 2019 with final completion in Spring 2020.

Five Bugles Design™

CHIPPEWA FALLS FIRE & EMS STATION

Chippewa Falls, WI

Station Highlights:

- 20,000SF
- Central Station
- Career Station: Fire & EMS
- 6 Drive-through apparatus bays
- Training Center
- Training Tower
- Dormitories with pass-though gear lockers
- Kitchen
- Dining Room
- Day Room
- Exercise Room

$4,000,000

New Construction

Spring 2017

Lee Douglas
Fire Chief
211 Bay Street
Chippewa Falls, WI 54729
715.723.5710

The City of Chippewa Falls selected Five Bugles Design to provide a comprehensive G.I.S. Site Selection Study as well as Architectural Design Services for the City's new Central Fire Station. Located on the City's east side, its location with immediate access to two highways provided the opportunity to adequately serve the growth on the South side of Chippewa, but also reach the industrial park on the City's North side.

This facility is home to the Fire administration, as well as the Fire Secretary and the Fire Inspection Department.

The City's rich history and culture was reflected throughout the facility's architectural design.

Beautiful exposed wood beams in both the entry lobby and the predominate training tower were designed to reflect the Northwoods feel that is so proudly displayed at local businesses.

A large bronze bell is proudly displayed at the front of the station. This bell was forged in 1882 and was used by citizens and firefighters when smoke or fire was detected as an alarm system. The departments crest was also cast into stone medallions and installed into the station's exterior. Finally, a bronze sculpture is showcased in the lobby which symbolizes the front line of action.

The project was completed in April 2017, on time and under budget.

Five Bugles Design™

Station Highlights:

- Six Apparatus Bays
- Training Room
- Exercise Room
- State of the Art Decontamination
- Living Quarters for Eight

Cost: 4,500,000

Construction Completed: 2021

Dudley H. Wright, Chief
24 S. Oregon Street
Johnstown Ohio 43031-1200
Station Phone: (740) 967-2976
Cell: (740) 404-3980
firechief@monroetownship.org

MONROE TOWNSHIP FIRE STATION

Johnstown, OH

Located in Johnstown, Ohio, the Township of Monroe hired Five Bugles to design a new Fire/EMS Station, replacing their existing station 501. This six-bay station features state-of-the-art personal decontamination zone, a training room for 50, administration quarters for the department and the Township, and living quarters for eight.

The front of the facility boasts a striking two-level, tower-like structure, which allows for an interior mechanical room, and mezzanine storage, while providing a break from the surface plane of the front façade.

The locally sourced brick waistcoat is a wonderful example of how to enhance a pre-engineered metal building with texture and add color while maintaining a conscientious budget. Large windows above the glass overhead doors will flood the apparatus bay with natural light.

With design beginning in Summer 2019, the project went out for bid in Spring 2020, and was completed in February 2021.

Five Bugles Design™

Station Highlights:

- Six Apparatus Bays
- Training Room
- Training Tower
- State of the Art Decontamination
- Living Quarters for Five

Cost: 4,500,000

Construction, Completion 2021

Rob Bowen
Fire Chief
211 Grand Ave.
Rothschild WI 54474
O: (715) 359-3500
M: (715) 370-4134

RIVERSIDE FIRE STATION

Schofield, WI

After the consolidation of two fire departments into the Riverside Fire District, it was determined that a new facility should be designed and constructed. Five Bugles Design worked with the design committee to review numerous sites in terms of their constructability and response times. Ultimately, it was determined that the new facility would be constructed on the site of the former Rothschild Fire Station. This challenging site requires the razing of three structures, and the installation of a sheet piling wall to the north of the structure.

This new station features a two-door apparatus bay for the Districts' EMS response vehicles, and a four-door apparatus bay for the Fire response vehicles, with space between them for turn our lockers, storage, SCBA cleaning, and a mezzanine accessible by the training tower on the front of the facility. This tower will serve to dry hoses and will allow training opportunities for this department, while creating a stunning architectural feature on the public side of the facility. Also included in the station is a large community room, offices for the District, living quarters for five, and a state-of-the-art personal decontamination zone.

The project was completed in Summer 2021.

Five Bugles Design™

EAU CLAIRE FIRE STATION NO. 10

Eau Claire, WI

Station Highlights:

- 16,450SF
- Career Station: Fire & EMS
- 5 Drive-through apparatus bays
- Training Center
- State-of-the-art Decontamination zone
- Dormitories with pass-though gear lockers
- Kitchen
- Dining Room
- Day Room
- Shielded Patio
- Exercise Room

$4,130,000

New Construction

July 2018

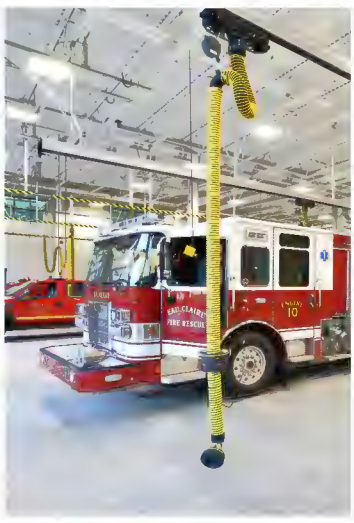
Chris Bell
Fire Chief
216 South Dewey Street
Eau Claire, WI 54701
(715) 839-5012

In 2017, the City of Eau Claire selected Five Bugles Design to be the architect on a new satellite station, replacing existing Fire Station No. 10 on the city's East Side. Replacement of Station No. 10 had been determined during a Lifecycle Analysis Study of the existing station, also performed by Five Bugles. This study revealed myriad issues; most notable its location on an extremely busy intersection making it difficult to pull into and out of the drives, its landlocked site making expansion impossible, and both the size and condition of facility itself which no longer met the needs of the department.

Special consideration in this project was taken with the location of and preparation of the selected site. As with nearly all fire stations designed by Five Bugles, our team performed a comprehensive GIS study to determine which site would serve the City and the Department the best. The site, which was selected based on its location, accessibility, and availability, was a densely vegetated site that due to a ravine had been used by locals as a waste disposal area in the early 1900s.

Geo-technical data indicated that approximately half of the proposed facility could be placed in the northwest quadrant of the property which was comprised of virgin soils, while the other half would be placed over the former waste land. In order to prepare the waste land to receive this new facility, the ground was excavated to depths of 30' to remove materials, and a Phase 2 Environmental Site Assessment was completed indicating the need for a passive vapor system to be installed under the building slab.

Services provide by Wendel and Five Bugles Design included architectural design, GIS, and a Life Analysis Study. This project was bid in Summer 2017, construction began shortly afterwards, and the station opened in July 2018.



Five Bugles Design™

VERONA FIRE STATION

Verona, WI

Station Highlights:

- 44,000SF
- Career Station: Fire & Private EMS
- 6 Drive-through apparatus bays dedicated to Fire
- 2 ambulance bays
- Training Center
- Public Museum
- Decontamination zone
- Dormitories with pass-though gear lockers
- Kitchen
- Dining Room
- Day Room
- Exercise Room

$6,000,000

New Construction

Spring 2016

Bill Burns
Verona City Administrator (former)
City of Middleton
7426 Hubbard Ave.
Middleton, WI 53562 608.821.8356
bburns@ci.middleton.wi.us

In 2017, the City of Eau Claire selected Five Bugles Design, a division of Wendel, to be the architect on a new satellite station, replacing existing Fire Station No. 10. Replacement of Station No. 10 was determined during a Lifecycle Analysis Study of the existing station, also performed by Five Bugles. This study revealed myriad issues, most notable its location on an extremely busy intersection making it difficult to pull in and out of drives, landlocked site making expansion impossible, and both the size and condition of facility itself which no longer met the needs of the department.

Special consideration was taken with the location of and preparation of the selected site. As with nearly all fire stations designed by Five Bugles, our team performed a comprehensive GIS study to determine which site would serve the City and the Department the best. The site, which was selected based on its location, accessibility, and availability, was a densely vegetated site that due to a ravine had been used by locals as a waste disposal area in the early 1900s.

Geo-technical data indicated that approximately half of the proposed facility could be placed in the northwest quadrant of the property which was comprised of virgin soils, while the other half would be placed over the former waste land. In order to prepare the waste land to receive this new facility, the ground was excavated to depths of 30' to remove materials, and a Phase 2 Environmental Site Assessment was completed indicating the need for a passive vapor system to be installed under the building slab.

Services provide by Wendel and Five Bugles Design included architectural design, GIS, and Lifecycle Analysis Study. Construction began in 2017, and the station opened in July 2018.

Five Bugles Design™

Station Highlights:

- 22,550 sf
- Training Center
- Dormitories with pass-though gear lockers
- Kitchen
- Dining Room
- Day Room

$5,000,000

New Construction

Spring 2021

Alex Kaker
City Administrator
12781 Velp Avenue
Suamico WI 54313
940.434.2212
villageadministrator@suamico.org

SUAMICO NEW FIRE & EMS STATION

Suamico, WI

Upon completion of an existing facility assessment, the Village of Suamico retained the services of Five Bugles Design/ Wendel to design its new 22,550 sf central station.

This two-story station was designed with function and the future in mind. The first floor of the facility features a small administration wing, large training room, apparatus support spaces, personal decon spaces, and a paid-on-call volunteer check-in area. Designed to have four apparatus bays as a base bid, two additional bays we added as an alternate in the bidding process. An additional future garage space was planned to be added to the facility's east side. This future garage would house smaller vehicles, freeing up space in the apparatus bay for larger equipment.

Accessed by the hose training tower, the second floor of the facility is private living quarters for personnel only.

Currently operating as a volunteer department, true living quarters were not needed. However, emergency medical services (EMS) for the Village is provided through Brown County EMS. Working together, it was determined that the second floor of the facility would be built out and rented to Brown County for use by its full-time staff. A mezzanine space was designed to be retrofitted into additional dorm spaces if the Village moves from a volunteer to a career model in the future. Second floor living quarters include dorm rooms, day room, kitchen, dining, and exercise space, which was placed here so that city employees could use it without having access to the rest of the facility or the living quarters.

Five Bugles Design™

JANESVILLE FIRE & EMS STATION

Janesville, WI

Station Highlights:

- 33,000SF
- Central Station
- Career Station: Fire & EMS
- 8 Drive-through apparatus bays
- Training Center
- Dormitories with pass-though gear lockers
- Kitchen
- Dining Room
- Day Room
- Shielded Patio
- Exercise Room
- Station Alerting System

$6,000,000

New Construction

Spring 2016

James Ponkauskas,
Deputy Fire Chief
303 Milton Avenue
Janesville, WI 53545
608.373.3433
ponkauskasj@ci.janesville.wi.us

The City of Janesville hired Five Bugles Design to replace its aging Central Fire Station. While the location of the existing station on Milton Avenue was determined by GIS study to be the most desirable location, the site was too small. The size of the site and how to continue operation of the existing station during construction became the projects primary consideration.

Through extensive planning, it was determined that in order to position the new facility in this location, the City needed to purchase several adjacent properties and remove the residential homes upon them as well as vacate a small street on the northwest side of the property.

By razing these facilities, the new station was able to be placed to the north of the existing facility, which allowed the continued 24/7 operations throughout construction.

The new 33,000 sf station reflects the original station in its architectural styling, further reflected by the reuse of a fire pole from the original station.

This station bid early in 2015 and opened to the public April 1, 2016. Though this project had its challenges, the end result beautified the intersection of Milton and Centerway, allowing it to truly become the Gateway to Janesville's Downtown.

Five Bugles Design™

Station Highlights

- Rural police station
- Immersion process

$12,000,000 (estimated)

New Construction

2020

Gene Belden, Chief of Police
City of Wasilla Police Dept.
907.352.5401

POLICE STATION

Wasilla, AK

Five Bugles Design, working with our partners, McCool Carlson Green, developed the program and schematic design for this 24,000 sf police station located in Wasilla, Alaska. Wasilla Police Department has been experiencing rapid growth for the past two decades and has outgrown the converted bank that had been serving as their headquarters. Five Bugles Design was brought to this team to provide expertise in the design of law enforcement facilities.

The work for this project was completed using Five Bugles Design's Immersion process of intense two-day planning sessions, intended to focus the stakeholders on specific steps in the process for prolonged periods. This process effectively uses the time of the varied stakeholders and professionals, and promotes well-informed and timely decision-making.

Five Bugles Design™