



## *Agenda Commentary*

**Item Title/ Subject:** Fire Station/ Police Rehab Architect

**Staff Source:** City Manager, Steve Hewitt

**Date:** August 12, 2011

**History/Background Information:**

The recent sales tax vote allows the City to build a new Fire Station and rehab our existing Police Station. Staff interviewed 3 architects who have worked on multiple Fire and Police facilities.

**Item/Subject Summary:**

Chief Crabtree, Chief Anders, and I interviewed the 3 architects. I am looking for experience with these types of facilities as well as the ability to build to LEED Standards. These facilities need to be built at a high level of sustainability. Operating costs must be at a minimum and the facilities should be built for the next 75 years.

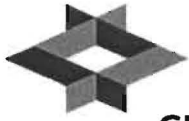
Two of the three were thought to have the best fit for our projects. Neither one reside in Oklahoma, however they have done multiple projects in Oklahoma.

**Price/Cost:** Negotiate the fees, TBD

**Recommendation:** Staff recommends GLMV. Understanding these projects are very important for the future of Clinton, I wanted a team that I could manage the project efficiently, design to our needs, manage within budget, and have Clinton's interest first. For me to recommend a firm that can deliver those items, I must recommend GLMV. I was lucky enough to work with them in Greensburg on two different projects. Working knowledge is very important.

I have asked Jeff Weiford to attend the meeting and give a presentation to the Council. I want the Council to feel comfortable and confident in our design team.

If the Council approves GLMV is a quality firm, I would ask that you allow staff to negotiate the contract. I would hope to get a contract approved in the next couple weeks and get our team on the ground looking at our site (once determined) and meeting with our staff (begin the program). We want to move forward. I'm confident with GLMV.



GLMVArchitecture

July 21, 2011

Mr. Steve Hewitt, City Manager  
CITY OF CLINTON  
P.O. Box 1177  
Clinton, OK 73601

Via Email

Re: City of Clinton Police and Fire Stations  
401/523 Gary Boulevard  
Clinton, OK  
GLMV Project No. 11.793

Dear Steve:

It was a pleasure to see you this past Tuesday and to meet Chief Crabtree and Chief Anders. Kirk Jurgensen and I are excited about the City's upcoming projects to build a new fire station and remodel the police station. Both are important projects for the City to improve and expand the services currently being provided. Our firm, GLMV Architecture, has completed numerous successful fire stations and police stations. Our recent LEED work in Greensburg, specifically the Kiowa County Jail and the Greensburg Public Works Facility, can bring valuable experience to your projects.

We appreciate the opportunity to visit with you, and we wish to express our desire to work with the City of Clinton, Oklahoma on these significant projects.

Please feel free to contact us with any questions.

Sincerely,

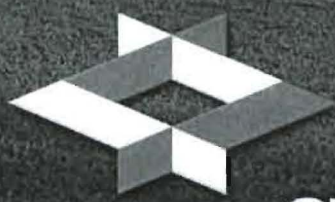
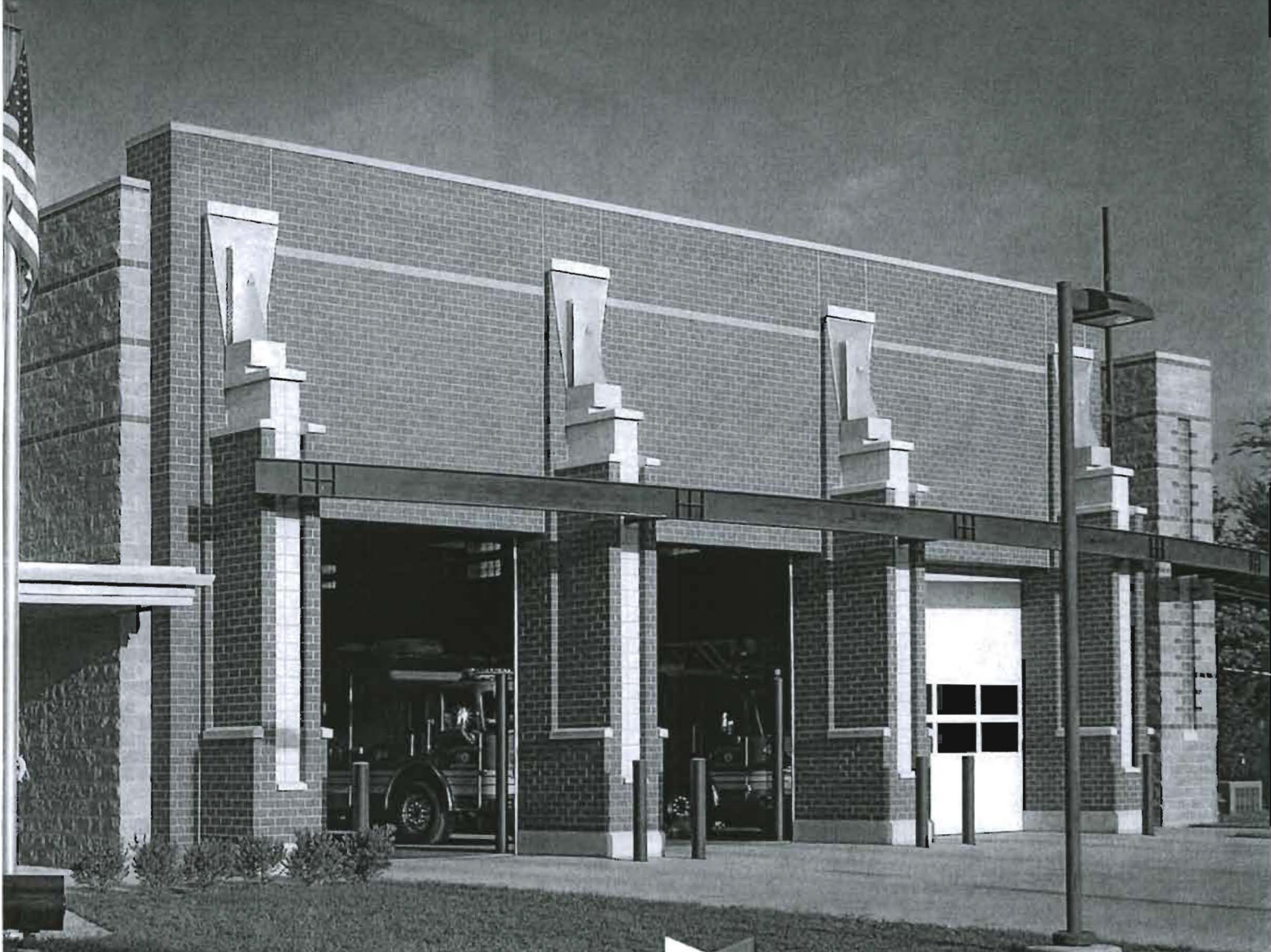
GLMV ARCHITECTURE, INC.

Jeffrey W. Weiford, AIA, LEED AP BD+C  
Vice President

JWW/scy



Design Services  
for  
*Clinton*  
Hub City of Western Oklahoma



GLMVArchitecture



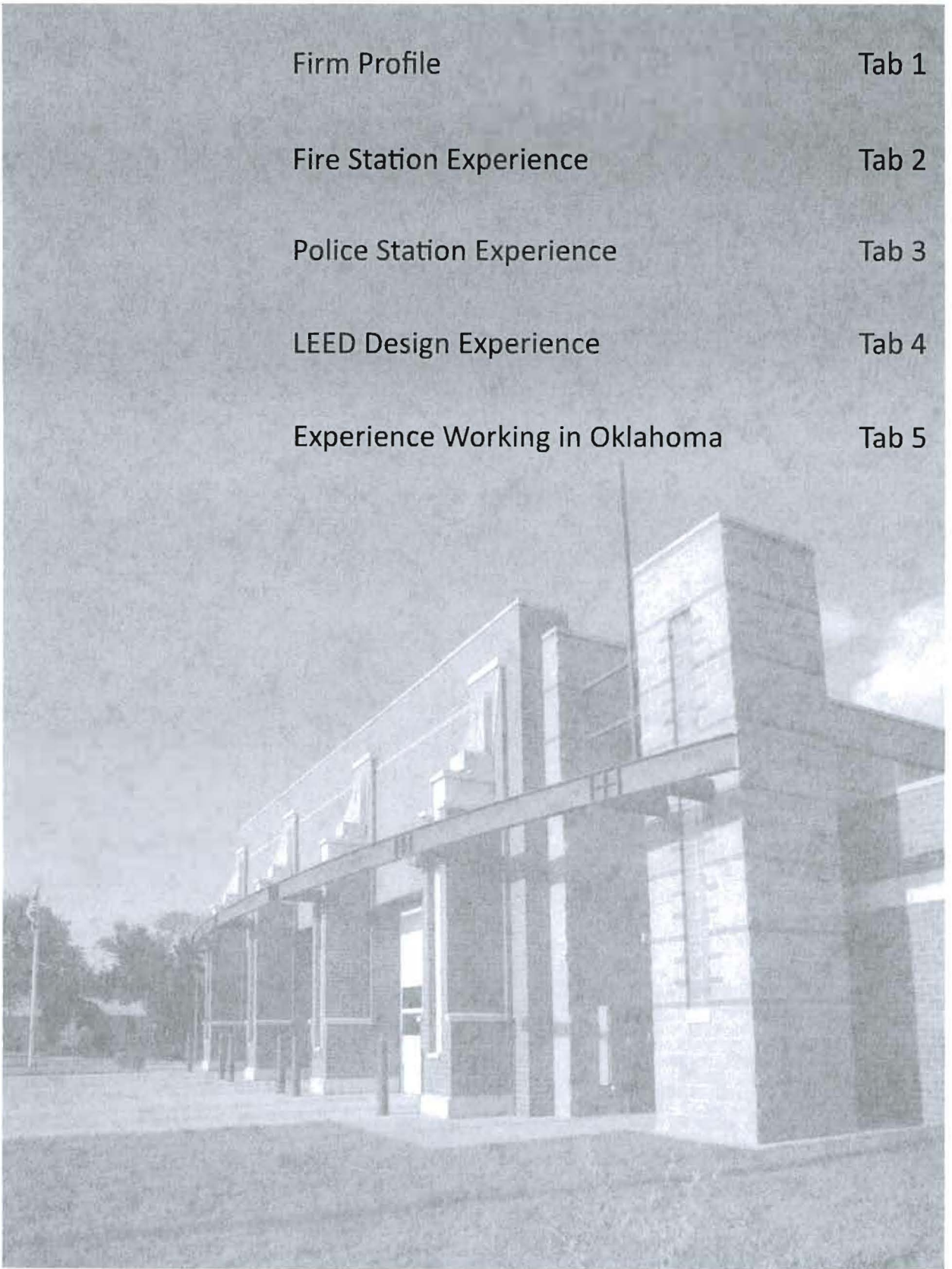
Firm Profile Tab 1

Fire Station Experience Tab 2

Police Station Experience Tab 3

LEED Design Experience Tab 4

Experience Working in Oklahoma Tab 5





GLMV Architecture, Inc. is a full-service architectural firm providing all facets of architectural services for its clients. GLMV is the result of the merger of Gossen Livingston Associates, Inc. and McCluggage Van Sickle & Perry Corporation. With offices in Wichita, Kansas City and Houston, GLMV conveniently and efficiently serves its clients throughout the nation.

With a legacy dating back to 1919, GLMV combines generations of experience and the complementary work ethic of two highly respected and well-established architectural firms. The firm serves numerous clients including those in the governmental, corporate, industrial, aviation, educational, healthcare, and food service fields.

Our staff of 125 professionals offer the following services:

PLANNING SERVICES

- ▶ Master Planning
- ▶ Land Use Studies
- ▶ Site Planning
- ▶ Land Planning
- ▶ Urban Design
- ▶ Needs Analysis
- ▶ Space Utilization Studies
- ▶ Strategic and Long-Range Facilities Planning

ARCHITECTURAL SERVICES

- ▶ Feasibility Studies
- ▶ Design
- ▶ Project Budgeting
- ▶ Construction Documents
- ▶ Construction Administration

LANDSCAPE ARCHITECTURAL SERVICES

- ▶ Site Planning
- ▶ Design
- ▶ Landscape Planting Plans
- ▶ Parks and Recreational Planning
- ▶ Construction Documents
- ▶ Construction Administration

INTERIOR DESIGN SERVICES

- ▶ Space Planning
- ▶ Interior Finish, Color and Material Selection
- ▶ Furniture, Fixture and Equipment Specification and Selection
- ▶ Project Budgeting
- ▶ Filing and Storage Studies
- ▶ Graphics and Signage

ADDITIONAL SERVICES

- ▶ LEED Certification
- ▶ Americans with Disabilities Act (ADA) Compliance Surveys and Design
- ▶ Economic Development Feasibility Studies
- ▶ Building Evaluation
- ▶ Graphic Design and Renderings, including BIM
- ▶ Growth Strategies Consulting and Phasing Plans
- ▶ Facilities Standards and Specifications
- ▶ Building Condition Analysis
- ▶ Quality Control Review
- ▶ Cost Estimating
- ▶ Maintenance and Operations Manuals
- ▶ Fire and Life Safety Code Compliance Review
- ▶ Construction Management At-Risk
- ▶ Post-Construction Services

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GLMV Architecture, Inc. appreciates the opportunity to present our design qualifications for your consideration. Our firm has provided design and planning services for over 30 fire, police and EMS stations and facilities in the past 30 years. Members of our firm are also actively involved in researching and designing the most current, state-of-the-art fire, police and EMS facilities, and we are excited to share that knowledge with you.

GLMV understands the unique and intricate challenges that come with designing fire, police and EMS facilities. Our experience with fire stations at federal government installations, in small rural communities and large metropolitan areas as afforded us the opportunity to hone our skills in addressing the critical elements and design trends in these kinds of facilities. Some of the things that we know must be considered during the design process include:

- ▶ Optimum functional building layout in order to minimize response times, giving special consideration to the orientation of the building and apparatus bays
- ▶ Input from the City and users on building operational and security issues, community spaces, and ease of maintenance as well as functionality and growth requirements
- ▶ Durability of materials and finishes (life-cycle cost considerations)
- ▶ Noise management concerns and consideration for the context of the surrounding neighborhood, while providing a space that is both beneficial and convenient without impeding operations

Because of our extensive experience with the federal government, we have a thorough understanding of LEED considerations. Projects designed for the federal government since the early 1990's still meet Silver levels of LEED certification today. Additionally, GLMV has been very involved in the design of numerous projects contributing to the rebuilding of Greensburg, Kansas following the destruction by a tornado in May of 2007. The firm has provided design services for more than 13 projects within the city of Greensburg, including four LEED certified buildings, and several more pending certification, or designed to LEED standards but not seeking certification. We have multiple on-staff LEED accredited professionals and are well-versed in applying LEED principles to design.

We recognize that choosing a design team is one of the most difficult and critical part of any project. We appreciate the opportunity to be considered for these important projects for the City of Clinton, Oklahoma.



## FIRE STATION NO. 7 OLATHE, KS



**Construction Cost:**

\$2,700,000

**Total Square Footage:**

13,000

**Completed:**

2007

**Owner:**

City of Olathe Public Works  
Mr. Jeff Blakeman  
(913) 971-8767

Olathe Fire Station No. 7 is a new 13,000-square-foot, 3-bay, single-story fire station. This new fire station is located between a residential neighborhood and shopping areas, and is designed to mesh these 2 design styles with sloped shingle roofs and exterior masonry walls.

The station plan design is driven by a strong desire of the Fire Department to maintain a maximum response time to the lead trucks of 20 seconds. The station is designed to house up to 7 full-time firefighters, including a captain and 6 crew members. Crews enjoy the privacy of individual sleeping rooms with bunks, lockers, and desks for quiet study. A dual purpose community room/training room is included for use by outside community groups, as well as the Fire Department for training.

A police substation is also included as part of the building, separate from the fire functions.

This fire station/police substation was one of the first design-build projects by the City of Olathe.





## FIRE STATION NO. 14 KANSAS CITY, MO



**Construction Cost:**

\$4,700,000

**Total Square Footage:**

17,100

**Completed:**

2006

**Owner:**

Kansas City Fire Department

Mr. Michael Moore

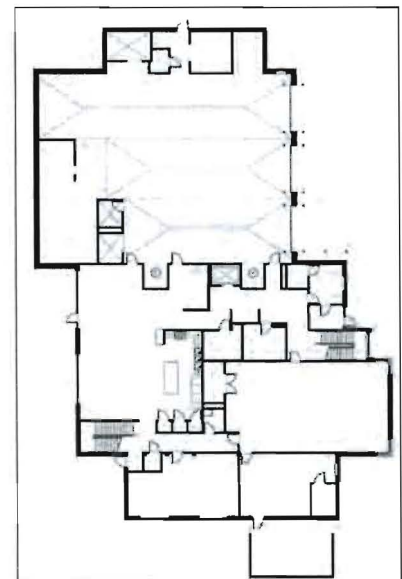
(816) 784-9170

GLMV partnered with Titan Construction Organization on this design-build project. The new two-story, 17,100-square-foot, three-bay fire station is the first battalion chief headquarters design that Kansas City has built north of the Missouri River. The project design includes facilities where all fire companies in the area will obtain fuel and refill and repair air and oxygen equipment. The station will also be used as a training facility for the Fire Department's fire companies north of the Missouri River.



It is designed to be very durable and low maintenance. Most interior walls are masonry construction. The layout of spaces minimizes response time. Also, consideration is given to access by the public, both in emergency and non-emergency situations.

The layout of spaces minimizes response time. Also, consideration is given to access by the public, both in emergency and non-emergency situations. Located at a major interchange on a busy highway, the building design recognizes the prominence and visibility of its location. GLMV Architecture worked with City staff to develop an attractive image for the facility.



Fire Station No. 14 was Kansas City's first design-build contract.



## MED-ACT STATION No. 51 JOHNSON COUNTY EMERGENCY MEDICAL SERVICES, OLATHE, KS



**Construction Cost:**

\$1,130,000

**Total Square Footage:**

9,600

**Completed:**

2004

**Owner:**

Johnson County Office of  
Facilities

Mr. Neal Angrisano  
(913) 715-1146

GLMV Architecture performed existing building conditions analysis and design services for construction of Johnson County MED-ACT Station No. 51 in Olathe, Kansas. During the building analysis, numerous structural deficiencies were discovered, resulting in a decision to demolish the existing building, renovate the garage and construct a new station onto the garage.



The new station includes individual sleeping rooms for six personnel along with a dayroom, kitchen, exercise room, offices, study room, laundry, toilets and locker rooms. Also included is the Johnson County Medical Action Department's Main Computer Service Center. The existing garage was renovated to meet current needs for storage, decontamination, and vehicle exhausting.



This station is located in a high-visibility intersection and has been planned as a landmark MED-ACT Station. The exterior utilizes multiple masonry colors, exterior installation finish system and a standing seam metal roof.



The project also includes an addition to the Support Services Building located on the site. The addition is a metal building structure of two vehicle service and storage bays, designed to complement the new station.



## FIRE DEPARTMENT TRAINING ACADEMY WICHITA, KS



**Construction Cost:**

\$3,392,700

**Total Square Footage:**

24,925

**Completed:**

2010

**Owner:**

City of Wichita

Mr. Jeff Myers

(316) 268-4406

This new facility serves as a regional training center for firefighters in the City of Wichita and Sedgwick County. Designed as part of the Heartland Preparedness Center Master Plan prepared for the City of Wichita, this new training center is located next to a previously existing tactical training area.

The training center includes administration offices, classrooms including computer classrooms and a distance learning center, an assembly hall with kitchen, a library, a fitness center, locker rooms, support spaces and storage areas.

Site improvements included earthwork, pavements, walks, utilities and similar improvements. Complete mechanical, piping, fire protection and electrical systems were included, as well.

GLMV provided complete planning and design services for this facility under a design-build contract.





## KIOWA COUNTY FIRE STATION GREENSBURG, KS



**Construction Cost:**

\$456,021

**Total Square Footage:**

1,250

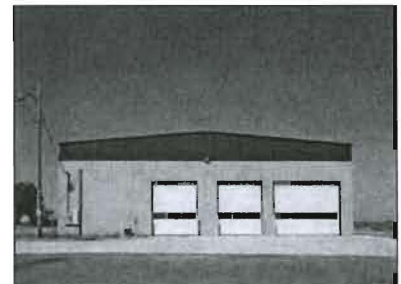
**Completed:**

2010

**Owner:**

Kiowa County  
Mr. Matt Christenson  
(620) 723-4164

After a tornado decimated the town of Greensburg, Kansas in May 2007, an immediate need for a fire station and emergency services facility was identified. Several options were presented to the County by GLMV for the rebuilding of the Kiowa County Fire Station. These options included a complete remodel of an existing building, a partial remodel of an existing building and a completely new building. The County chose the renovation and expansion of an existing pre-engineered metal building to house Emergency Management Services as well as the Fire Department.



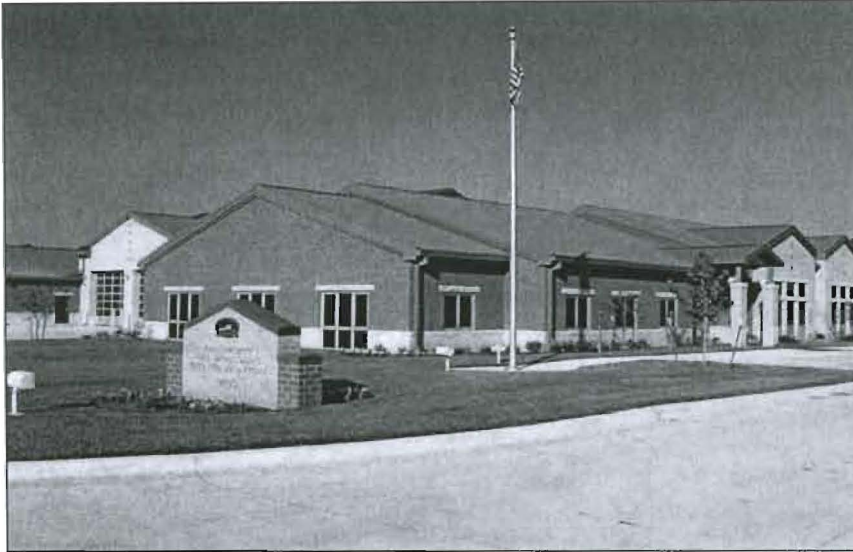
The facility includes seven apparatus bays, a gear and storage area, support space (including locker/restrooms, office, training, storage), and a mezzanine area. Overhead doors, office finishes, stairs and partitions were replaced as part of the project.

The building incorporates numerous unique green building and energy-efficient features. New mechanical and electrical systems were provided, including a high-efficiency heating and cooling system and energy-saving fluorescent lighting.





### FIRE STATION NO. 1 LEAVENWORTH, KS



**Construction Cost:**

\$2,600,000

**Total Square Footage:**

16,700

**Completed:**

2000

**Owner:**

Leavenworth Fire Department

Mark DeMaranville

(913) 682-3346

This headquarters station houses the fire department administrative offices, fire department training, and a 10-person crew. Site amenities include driveways, sidewalks, landscaping, parking for 62 cars and maneuvering space for the fire trucks on a 10.8-acre site. The site master planning included space for a future training tower and props.



The building includes a total of 16,700 square feet of training rooms, office space, apparatus storage for fire trucks with 4 drive-through bays, living and support spaces. The living and support spaces include individual sleeping rooms, day room, kitchen/dining, watch room and office, gear decontamination and laundry, men's and women's locker rooms, and workout room. The apparatus bay with support spaces includes hose dryer, gear storage, SCBA station, mechanics bay, and the evidence storage.



This project included programming, building condition assessment of an existing station, and planning new fire station locations. Building programs were developed for two fire stations and the fire department administration and training facilities. Site analysis included a total of ten sites in two different areas of the city for potential development as fire stations; functional development concerns and relative cost differences were both analyzed. The analysis also included building condition assessment of one existing station for possible remodeling and expansion.





### FIRE STATION NO. 2 LEAVENWORTH, KS



**Construction Cost:**

\$1,400,000

**Total Square Footage:**

8,400

**Completed:**

2000

**Owner:**

Leavenworth Fire Department

Mark DeMaranville

(913) 682-3346

This station is designed to house an 8-person crew and is located on a 0.8-acre site. Site amenities include driveway, crews parking, sidewalks and landscaping. The sitework included demolition of several existing structures.

GLMV Architecture provided master planning and evaluation of several sites, including public meetings, for this new station.

The building is comprised of 8,400 square feet of apparatus bay, living and support spaces. These spaces include 3 drive-through apparatus bays, individual sleeping rooms, dayroom, kitchen/dining, watch room, battalion chief's office, men's and women's toilets, workout room, gear decontamination and laundry, hose dryer, SCBA/ workroom and gear storage.

The facility has been designed to be sensitive to the surrounding residential neighborhood with long-term durability and low maintenance, including standing seam metal roofs and masonry exterior.





**BASE FIRE STATION  
FORT LEAVENWORTH, KS**



**Construction Cost:**  
\$1,800,000

**Total Square Footage:**  
12,526

**Completed:**  
1996

**Owner:**  
Fort Leavenworth Fire Station  
George Ramirez  
(913) 684-4172

This 3-vehicle, 3-bay fire station is a new 24-hour emergency facility on a military Army base. This headquarters station houses a 9-person crew (2-company) and shared spaces for both the Fire Department and EMS. Site amenities include driveways, sidewalks, landscaping, parking for 10 cars and maneuvering space for the fire trucks on a 3½-acre site.

The building includes a total of 12,526 square feet of apparatus storage for fire trucks, an EMS vehicle living and support spaces. The living and support spaces include a bunk room, dayroom, kitchen/dining, laundry area, men's and women's locker rooms, weight room, tool room, crew chief suite, training/classroom and janitor's closet. Operational spaces include dirty and clean medical areas for EMS, control room (dispatch), fire equipment storage, gear storage, and oxygen storage.

The contextual design of this \$1.8 million facility is sensitive to the surrounding residential neighborhood, golf course and cemetery, and complements the characteristics and elements of the buildings on the main post.



### PUBLIC SAFETY FACILITY NAVAL AIR STATION, CORPUS CHRISTI, TX



**Construction Cost:**

\$6,500,000

**Total Square Footage:**

25,300

**Completed:**

2006

**Owner:**

Naval Air Station  
Mr. Ken Vargas  
(361) 516-6107

This design-build project constructs a consolidated fire station, security and Navy safety office building, 25,300 square feet in size. The facility will provide fire, rescue, and security protection for Naval Air Station Corpus Christi. This includes housing, base facilities and aircraft for both civilian and military personnel.

Facility components include:

- ▶ Apparatus bay
- ▶ Communication room
- ▶ Emergency response center
- ▶ Training and multipurpose rooms
- ▶ Fire extinguisher maintenance
- ▶ Armory
- ▶ Living quarters
- ▶ Kitchen
- ▶ Technical library
- ▶ Fitness and locker rooms
- ▶ Dining area
- ▶ Lounge
- ▶ Administrative areas

Since this facility is part of a United States military installation, it was built to current anti-terrorism/force protection requirements.





### FIRE STATION NO. 4 WICHITA, KS



**Construction Cost:**

\$1,174,621

**Total Square Footage:**

9,220

**Completed:**

2003

**Owner:**

City of Wichita

Mr. Norman Jakovac

(316) 268-4474

This new 9,220-square-foot fire station is designed as a three-bay, drive-through station for a crew size of eight firefighters. Site amenities include apparatus drives, parking and sidewalks, landscaping, and an outdoor crew's living space.

The apparatus bays and site layouts are designed for emergency exiting out of both ends of the station. Spaces include a partitioned bunk room, dayroom/dining room/kitchen, staff office and watch room, exercise room, workroom, two universally interchangeable toilet/locker rooms which are assigned depending on gender counts, and all support spaces.

This building was designed to be very durable and low maintenance inside and out. This station is also designed to support future EMS personnel.





## FIRE STATION NO. 7 WICHITA, KS



**Construction Cost:**

\$2,153,000

**Total Square Footage:**

7,970

**Completed:**

2003

**Owner:**

City of Wichita

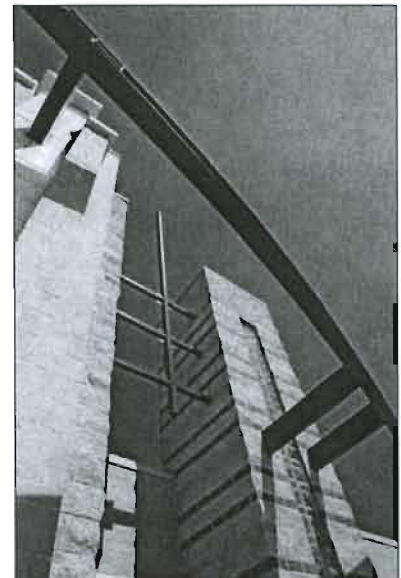
Mr. Norman Jakovac

(316) 268-4474

This new fire station is designed as a two-bay, drive-through station for a crew size of eight firefighters. Situated adjacent to a residential neighborhood and a commercial district, the site amenities include apparatus drives, parking and sidewalks, landscaping, and an outdoor crew's living space that overlooks the Little Arkansas River.

This 7,970-square-foot station was designed as part of a city-wide fire department reorganization master plan to establish better coverage for the City of Wichita. The station also incorporates art in the overall building design as part of a City requirement to include art in all public projects, resulting in unique design features. Spaces in this station were designed to provide minimum response times to the apparatus bays, with all occupied spaces being directly located off of the bays. The apparatus bays and site layouts are designed for emergency exiting out of both ends of the station. Spaces include a Battalion Chief's office and quarters, a partitioned bunkroom, a combined dayroom/dining room/kitchen, staff office and watch room, exercise room, workroom, two universally interchangeable toilet/locker rooms which are assigned depending on gender counts, and all support spaces.

This building was designed to be very durable and low maintenance inside and out, with all masonry walls inside the building and a masonry exterior. Materials selected for the Project were based on these criteria. This station is also designed to support future EMS personnel.





### FIRE STATION NO. 10 WICHITA, KS



**Construction Cost:**

\$1,427,964

**Total Square Footage:**

9,044

**Completed:**

2005

**Owner:**

City of Wichita

Mr. Norman Jakovac

(316) 268-4474

This new fire station is designed as a two-bay, drive-through station for a crew size of eight firefighters. Situated adjacent to a culturally rich residential neighborhood and a commercial district, the site amenities include apparatus drives, parking and sidewalks, landscaping, and an outdoor crew's living space.

This 9,044-square-foot station was designed as part of a city-wide fire department reorganization master plan to establish better coverage for the City of Wichita. The station also incorporates art in the overall building design as part of a City requirement to include art in all public projects, resulting in unique design features. Spaces in this station were designed to provide minimum response times to the apparatus bays, with all occupied spaces being directly located off of the bays. The apparatus bays and site layouts are designed for emergency exiting out of both ends of the station. Spaces include a Battalion Chief's office and quarters, a partitioned bunkroom, a combined dayroom/dining room/kitchen, staff office and watch room, exercise room, workroom, two universally interchangeable toilet/locker rooms which are assigned depending on gender counts, HAZMAT vehicle storage, hose repair, and all support spaces.

This building was designed to be very durable and low maintenance inside and out, with all masonry walls inside the building and a masonry exterior. Materials selected for the Project were based on these criteria. This station is also designed to support future EMS personnel.





## FIRE STATION NO. 12 WICHITA, KS



**Construction Cost:**

\$1,305,894

**Total Square Footage:**

7,850

**Completed:**

2003

**Owner:**

City of Wichita

Mr. Norman Jakovac

(316) 268-4474

This new fire station is designed as a two-bay, drive-through station for a crew size of eight firefighters, with a Battalion Chief. This station is situated on a site that is shared with a new regional city library, also designed by GLMV Architecture. Site amenities include apparatus drives, parking and roads shared with the library, sidewalks, landscaping, and an outdoor crew's living space.



This 7,850-square-foot station was designed as part of a city-wide fire department reorganization master plan to establish better coverage for the City of Wichita. The station was designed to be compatible with the new library, incorporating forms and materials used in the library design, as well. The station also incorporates art in the overall building design as part of a City requirement to include art in all public projects, which is reflected in some of the design elements of the building. Spaces in this station were designed to provide minimum response times to the apparatus bays, with all occupied spaces being directly located off of the bays. The apparatus bays and site layouts are designed for emergency exiting out of both ends of the station. Spaces include a Battalion Chief's office and quarters, a partitioned bunkroom, a combined dayroom/dining room/kitchen, staff office and watch room, exercise room, workroom, two universally interchangeable toilet/locker rooms used depending on firefighter gender counts, and all support spaces.





## FIRE STATION NO. 13 WICHITA, KS



**Construction Cost:**

\$1,123,004

**Total Square Footage:**

7,600

**Completed:**

2003

**Owner:**

City of Wichita

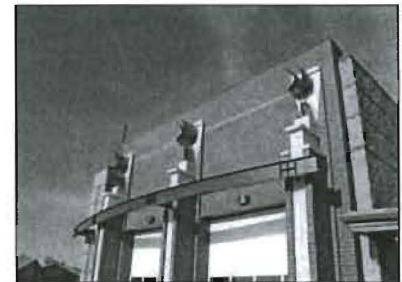
Mr. Norman Jakovac

(316) 268-4474

This new fire station is designed as a two-bay, drive-through station for a crew size of eight firefighters. Situated in a rural setting, in a developing part of Wichita, this station is located to provide for areas of current and future growth within the city. The site amenities include apparatus drives, parking and sidewalks, landscaping, and an outdoor crew's living space.

This 7,600-square-foot station was designed as part of a city-wide fire department reorganization master plan to establish better coverage for the City of Wichita. The station also incorporates art in the overall building design as part of a City requirement to include art in all public projects, resulting in unique architectural elements. Spaces include a departmental hose repair work center, a partitioned bunkroom, a combined dayroom/dining room/kitchen, staff office and watch room, exercise room, workroom, two universally interchangeable toilet/locker rooms which are assigned depending on gender counts, and all support spaces.

This building was designed to be very durable and low maintenance inside and out, with all masonry walls inside the building and a masonry exterior. Materials selected for the Project were based on these criteria. This station is also designed to support future EMS personnel.





## FIRE STATION NO. 19 WICHITA, KS



**Construction Cost:**

\$1,222,179

**Total Square Footage:**

7,520

**Completed:**

2003

**Owner:**

City of Wichita

Mr. Norman Jakovac

(316) 268-4474

This new fire station is designed as a two-bay, drive-through station for a crew size of eight firefighters. Situated in a commercial district, in southern Wichita, The site amenities include apparatus drives, parking and sidewalks, landscaping, and an outdoor crew's living space.

This 7,520-square-foot station was designed as part of a city-wide fire department reorganization master plan to establish better coverage for the City of Wichita. The station also incorporates art in the overall building design as part of a City requirement to include art in all public projects, resulting in unique architectural features. Spaces in this station were designed to provide minimum response times to the apparatus bays, with all occupied spaces being directly located off of the bays. The apparatus bays and site layouts are designed for emergency exiting out of both ends of the station. Spaces include a departmental hose repair work center, a partitioned bunkroom, a combined dayroom/dining room/kitchen, staff office and watch room, exercise room, workroom, two universally interchangeable toilet/locker rooms which are assigned depending on gender counts, and all support spaces.

This building was designed to be very durable and low maintenance inside and out, with all masonry walls inside the building and a masonry exterior. Materials selected for the Project were based on these criteria. This station is also designed to support future EMS personnel.





#### FIRE STATION NO. 3, BLUE SPRINGS, MO

This 4-bay fire station is a 24-hour emergency facility and headquarters for the Central Jackson County Fire Protection District. The 20,090-square-foot station houses a 10-person crew, and includes 5,700 square feet of apparatus storage for 4 truck bays. Administrative spaces for the County departments included offices for the fire chief, deputy chief, assistant chief, captain, fire marshal, EMS administration, bookkeeping and inspectors.



#### NEW FIRE STATION, COLBY, KS

This new 12-bay fire station for the City of Colby was constructed as a replacement for the existing station. The 21,366-square-foot fire station includes 6 drive-through bays, apparatus bays, offices, toilet/shower rooms, meeting room, break room, sleeping rooms, reception/waiting area, and mechanical and electrical support spaces. The project includes a 4,214-square-foot exercise area and shell space for future offices and meeting rooms.



#### EMS/FIRE DEPARTMENT FACILITY, MULVANE, KS

This new emergency services facility for the City of Mulvane, Kansas consolidates the medical emergency function with the volunteer firefighters. The 17,350-square-foot facility, located in southeast Mulvane, contains five apparatus bays for the fire fighting vehicles and two smaller bays for emergency medical vehicles. A training room, bunk rooms, kitchen, offices and other support areas are also included.



#### POLICE/FIRE/EMS FACILITY, WELLINGTON, KS

This facility contains 25,000 square feet. Fire and EMS vehicles are accommodated in six 15-foot by 80-foot drive-through apparatus bays. In addition to the police and fire departments, shared facilities include conference room, exercise room, lobby, and storage. The downtown site was selected after performing site evaluations on several sites. The project was designed in association with ASAI, Kansas City.



#### FIRE STATION NO. 9, WICHITA, KS

This project was designed as a combined Fire and Police facility, serving as a substation for east Wichita. Designed to blend into the surrounding residential neighborhood, this 13,000-square-foot project contains two apparatus bays for fire and EMS vehicles, administration, and dormitory/living space. Also included are a large parking lot and fueling facilities.



FIRE STATION NO. 18, WICHITA, KS

Located in northeast Wichita, adjacent to Jabara Airport, this 7,300-square-foot facility contains two apparatus bays of approximately 20 feet by 90 feet each. A kitchen, dayroom, offices, lockers, bunks, and an exercise room are also included in the project.



MID-CONTINENT AIRPORT PUBLIC SAFETY FACILITY, WICHITA, KS

An over 12,000-square-foot expansion to the existing safety building has been completed. The new addition contains two levels and accommodates two 18-foot by 70-foot apparatus bays, a bunkroom expansion, new offices, and an expanded training room.



## KANSAS CITY POLICE DEPARTMENT ACADEMY KANSAS CITY, MO



**Construction Cost:**

\$25,621,402

**Total Square Footage:**

154,896

**Completed:**

**Owner:**

Kansas City Police Department  
Maj. Gary Majors  
(816) 889-6611

The entire project is located in a campus setting on approximately 132 acres and includes 5 buildings: a training center, firing range, central energy plant, simulation building, and storage building.

The 3-story training building has 6 state-of-the-art classrooms for training both basic recruits and continuing education for officers, a 500-seat auditorium for graduation ceremonies, additional training space for large groups or for public use related to the City and the Police Department, administrative area and offices, weight training area; fitness room for techniques training, 3-story gymnasium area for classroom physical training, 4-lane indoor banked running track above the gymnasium, related locker rooms and shower areas, library, video production area, and lunchroom.

The second building is a 30-lane live fire range. The building houses additional classrooms for weapons training, offices, and weapons repair areas.

There is a simulation building on site for use in training of various scenarios encountered by the police. A storage building is also provided for storage of materials used on the 1.2-mile driving course. The driving course includes a skid pad and an area for motorcycle training. There is also a 5-lane, 200-yard rifle range on site.





## KIOWA COUNTY JAIL AND SHERIFF'S OFFICE GREENSBURG, KS



**Construction Cost:**

\$3,002,686

**Total Square Footage:**

8,216

**Completed:**

2010

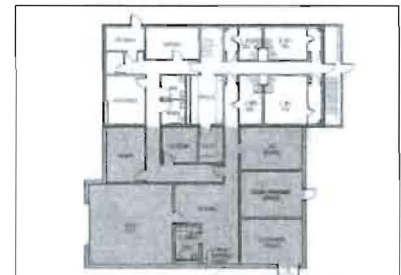
**Owner:**

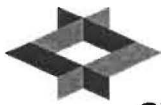
Kiowa County  
Mr. Matt Christenson  
(620) 723-4164

Located adjacent to the Kiowa County Courthouse, this building survived the tornado, and like the Courthouse, required major renovations and upgrades. The freestanding, 2-level structure of approximately 8,216 square feet contains the deputy's office, the sheriff's office, an administration area, multi-bed detention cells, and a laundry facility.

Renovation work upgraded the jail to comply with accessibility and building code standards, as well as enhanced the exterior appearance to be compatible with the historical appearance of the Courthouse. The administration and kitchen areas were enlarged, and a fire sprinkler system, a sallyport, a booking area, two handicap accessible restrooms and storage areas were added.

The facility was designed to LEED Silver standards and includes water-efficient landscaping, ground-coupled heat pumps, an enhanced mechanical system, high-performance lighting and controls, a stormwater runoff system and low-water-usage plumbing fixtures.





## SEDGWICK COUNTY JUVENILE COMPLEX WICHITA, KS



**Construction Cost:**

\$17,500,000

**Total Square Footage:**

<100,000

**Completed:**

2005

**Owner:**

Sedgwick County Facility

Project Services

Ms. Stephanie Knebel

(316) 660-9865

The detention component of the Sedgwick County Juvenile Complex is intended to provide a physically secure but not oppressive environment to support a wide range of services. Staffing efficiency is of paramount concern, and staffing ratios reflect the need for direct supervision of residents at state mandated staffing levels. Staff will be able to supervise and interact with residents in a manner to ensure resident and staff safety as well as productive interaction.



Residents will be easily supervised at all times in all housing, programs and services areas, while moving between core facility spaces. Residents will be aware they are continually observed, and that undesired behavior will result in immediate staff response. Equally important, staff will be confident they are visually supported at all times by other staff who will provide immediate assistance as needed.



The new Detention Facility has a site capacity to house 108 youth. Two 9-bed living areas form a housing unit. Six housing units are provided, with space to provide a seventh unit in the future. The largest component of the Juvenile Complex, the Detention Center, is 89,184 gross square feet.





## MILITARY POLICE BATTALION COMPANY OPERATIONS FACILITY FORT RILEY, KS



**Construction Cost:**

\$14,000,000

**Total Square Footage:**

59,157

**Completed:**

2011

**Owner:**

USACE, Kansas City District  
Mr. Thomas Hollinberger  
(816) 389-3084

Design-build for a new \$14 million, 59,157-square-foot Company Operations Facility (COF) to support Military Police Battalion at Fort Riley, Kansas. This Project is to house the Company administrative operations and store and move supplies. The building consists of an administrative area, readiness bay, and associated hardstand and parking.

This COF provides administrative and supply facilities for unit personnel functions and storage of their equipment. The facility will serve as the primary staging, training, and deployment center for personnel and their individualized gear.

This building is part of an operations complex that includes a Tactical Equipment Maintenance Facility and a Battalion/Brigade Headquarters building. The three buildings are located adjacent to each other and within walking distance of associated community facilities such as barracks and dining facilities.

The Project is designed to meet a minimum of LEED Silver. The Project has been designed to not exceed IESNA footcandle level requirements and by using exterior luminaries with shielded lamps so that no direct beam illumination leaves the building sites. Other sustainable design elements include use of low-water plantings, at least 50 percent construction waste will be salvaged and re-used, at least 10 percent of the value of construction materials are recycled, 20 percent of the building materials will be manufactured or extracted within a 500-mile radius of the site.





POLICE/FIRE/EMS FACILITY, WELLINGTON, KS

This facility contains 25,000 square feet. Fire and EMS vehicles are accommodated in six 15-foot by 80-foot drive-through apparatus bays. In addition to the police and fire departments, shared facilities include conference room, exercise room, lobby, and storage. The downtown site was selected after performing site evaluations on several sites. The project was designed in association with ASAI, Kansas City.



4TH & 5TH FLOOR POLICE DEPARTMENT, CITY OF WICHITA, WICHITA, KS

The firm provided schematic design architectural services related to the renovation of the 4th and 5th floors of the Police Department located at City Hall in Wichita, Kansas. The project also includes the remodel and relocation of existing HVAC components, as well as new interior lighting and power distribution.



HARVEY COUNTY JAIL AND LAW ENFORCEMENT CENTER, NEWTON, KS

GLMV provided comprehensive A/E services, including existing facilities evaluations, needs assessments and a feasibility study, for this new 35,000-square-foot facility, including a new jail addition, and law enforcement offices for the Newton City Police Department, the Harvey County Sheriff's Department and the Harvey County 911/Emergency Operations Department. The total construction cost was \$6 million.



APPLIED INSTRUCTION FACILITIES, FORT LEONARD WOOD, MO

This project consisted of three distinct projects on separate sites in 17 buildings totaling more than 150,000 square feet. The Basic Military Police Training Department is the major part of the unit, and includes a mock Military Police station and mock prison facility. The goal was to provide high-quality training spaces that are similar to the environment the trainees will encounter once they have completed training.



POLICE SUBSTATION, OLATHE, KS

As part of the Olathe Fire Station No. 7 project, GLMV designed a police substation, which is located within the same structure, but functions separately from the fire department. The station was built as one of the first design-build projects by the City of Olathe.



## TRANSIT VAN MAINTENANCE FACILITY WICHITA, KS



**Construction Cost:**  
\$4,232,777

**Total Square Footage:**  
23,000

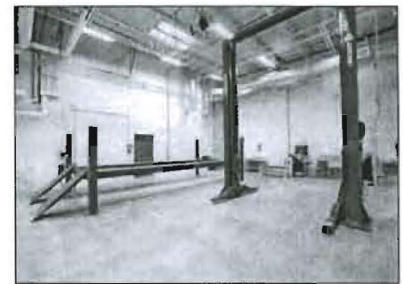
**Completed:**  
2010

**Owner:**  
City of Wichita/Wichita  
Transit Authority  
Mr. Jeff Myers  
(316) 268-4406

This new facility was recently completed under a design-build contract, with GLMV providing architectural services. The facility is located adjacent to the existing administration, operations and maintenance facility on Waterman Street, and serves as the City of Wichita’s storage and maintenance center for its expanding fleet of paratransit vans.



The building was designed to be similar in appearance to the existing adjacent building. Sitework included parking, drives, fencing and a fuel station, which were all designed with the existing building in mind. Drainage improvements were also included as part of the design.



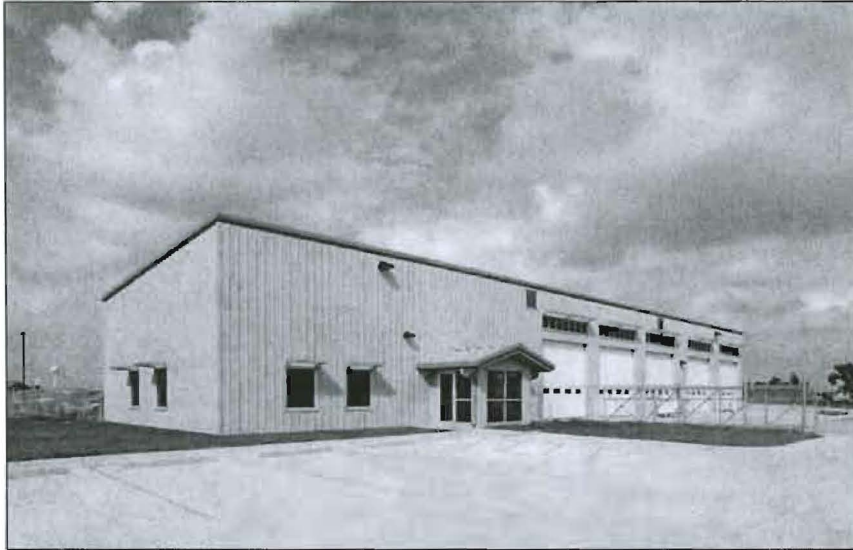
The building accommodates storage of up to 28 paratransit vans and other department support vehicles, and includes four maintenance bays, an automated wash bay, and a parts/storage area. A training area and conference space were included in the design to meet the needs of the City.

The facility achieved LEED NC v2009 Silver in April 2011, the City’s first LEED certified building. The energy-efficient facility includes extensive use of natural lighting, high-efficiency lights with motion sensors, and a rainwater reclamation and reuse system, which will be used for irrigation as well as washing city vehicles.





# KIOWA COUNTY MAINTENANCE FACILITY GREENSBURG, KS



**Construction Cost:**

\$3,333,890

**Total Square Footage:**

13,228

**Completed:**

2010

**Owner:**

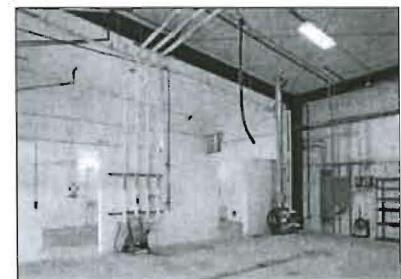
Kiowa County  
Mr. Matt Christenson  
(620) 723-4164

The original Kiowa County Maintenance shops were completely destroyed by a tornado. The new complex accommodates vehicle maintenance shops, an equipment storage area, an administrative/office area of approximately 6,000 square feet, and a noxious weed operations space of approximately 4,800 square feet.

A recycle center and household hazardous waste center, approximately 4,428 square feet, were included in a subsequent phase.

Energy-efficient and sustainable design elements include water-efficient landscaping, a ground-coupled heat pump system for heating and cooling, an enhanced mechanical system and low-water-usage plumbing fixtures.

The building achieved LEED NC 2.2 Silver certification as designed.





## SUNCHIPS® BUSINESS INCUBATOR GREENSBURG, KS



**Construction Cost:**  
\$2,905,707

**Total Square Footage:**  
9,580

**Completed:**  
2009

**Owner:**  
City of Greensburg  
Ms. Sheila Magee  
(620) 723-2751

GLMV Architecture, in collaboration with BNIM, designed a new business incubator building to provide affordable office space for small, start-up businesses in Greensburg. Five street-level retail shops and nine second-level professional service offices make up the two-story building.

The building was designed to achieve greater than 50 percent energy savings. The use of innovative water-reuse systems, a ground source heat pump to provide heat and cooling, and R-22 walls created an optimally performing building. Skylights, light shelves, and strategically placed windows provide daylighting to most of the building, and roof-mounted photovoltaic panels provide 10 percent of the building's energy needs.

The facility was constructed with materials designed for wind and storm resistance, and are also durable and low maintenance. Parking and sidewalks were designed to be ADA compliant. Landscaping was designed to be low maintenance, utilizing native grasses and a natural watering system.

The building achieved LEED NC 2.2 Platinum certification as designed.





## KIOWA COUNTY COURTHOUSE GREENSBURG, KS



**Construction Cost:**

\$4,345,575

**Total Square Footage:**

18,867

**Completed:**

2009

**Owner:**

Kiowa County  
Mr. Matt Christenson  
(620) 723-4164

This historic structure suffered major damage after a May 2007 tornado ravaged the city of Greensburg, Kansas. The exterior windows were broken, roof membrane blown off, and the interior finishes were damaged by rain entering the building. The project included roof and window replacement, as well as complete interior renovations on all three levels.

New mechanical systems, plumbing, fire protection and electrical systems were included as part of this work. A ground-source heat pump system, utilizing geothermal wells, was used for heating and cooling.

Interior upgrades included ADA accessible restrooms on all floors, interior and exterior handrails and replacement of rail wood doors and door hardware. Code compliance upgrades included raising ceiling heights in several rooms and the replacement of wood stairs and other wood construction. Sitework included new sidewalks, parking, lighting and landscaping.

The courthouse has been LEED NC 2.2 Gold certified. The firm was recently presented with the 2010 County Public Improvement Award for this renovation work.





## FY08 UNACCOMPANIED ENLISTED PERSONNEL HOUSING FORT RILEY, KS



**Construction Cost:**

\$46,072,439

**Total Square Footage:**

165,627

**Completed:**

2009

**Owner:**

USARC, Kansas City District

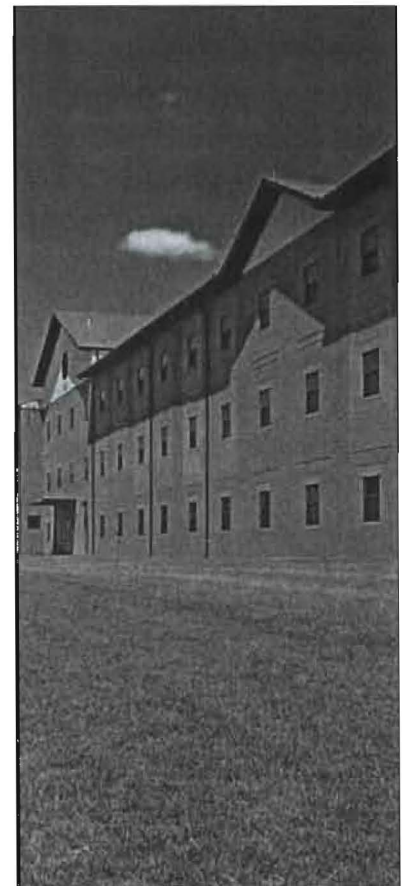
Mr. Tom Wilkinson

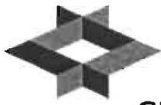
(785) 239-6461

The design-build project is to provide Unaccompanied Enlisted Personnel Housing (UEPH) facilities and road improvements. A site of approximately 13 acres is available to provide improvements necessary to support the new building facilities. The site will incorporate landscaping, 2 multipurpose activity areas, and 2 dumpster areas, and accommodate parking for 100 percent of occupancy plus a troop trail. Within the scope of this project are the extension of 2 roads and the incorporation of 3 overhead pedestrian bridges.

All three barracks buildings accommodate the handicapped on the first floor only at the main lobby area and public restrooms. Also, all outdoor facilities are ADA accessible. All three buildings were designed in compliance with the antiterrorism and force protection requirements and achieved LEED NC 2.2 Silver certification as designed.

GLMV Architecture was brought into the FY08 Barracks project by the design-build contractor to correct numerous constructability problems they had encountered with FY06 and FY07 projects. While the overall design concept, appearance and floor plans remained unchanged, the construction details were simplified to facilitate construction. As a result, the Contractor was able to pick up 90 days of float in their schedule.





### FY09 UNACCOMPANIED ENLISTED PERSONNEL HOUSING FORT RILEY, KS



**Construction Cost:**

\$12,200,000

**Total Square Footage:**

57,108

**Completed:**

2009

**Owner:**

USACE, Kansas City District

Mr. Tom Wilkinson

(785) 239-6461

The design-build project is to provide Unaccompanied Enlisted Personnel Housing (UEPH) facilities and road improvements. The number of single personnel to be housed is 156 soldiers total, housed in one 3-story barracks building. The building will have a gross area of 19,036 square feet per floor for a total of 57,108 square feet total gross area.

A duct bank, installed during a previous project, had been placed in the designated building location. The building design was altered to accommodate the existing duct bank.

The project achieved LEED NC 2.2 Gold certification. Potable water use was reduced by 40 percent. At least 50 percent of the non-hazardous construction and demolition and construction waste was recycled or salvaged. 10 percent of the building materials were extracted, harvested, or recovered as well as manufactured within 500 miles of the site. Cool roofing was used to reduce the heat island effect of the roof system. Indoor air quality and thermal comfort was monitored during construction as well as post-construction to ensure a comfortable, healthy building for all occupants. Outside air supplied to each barracks room is 30 percent more than the minimum required by AHSRAE 62.1 - 2004. Additionally, operable windows will be specified and, combined with unit exhaust fans, should achieve the required fresh air flow.





# KIOWA COUNTY COMMONS GREENSBURG, KS



**Construction Cost:**

\$4,774,152

**Total Square Footage:**

20,210

**Completed:**

2011 (est.)

**Owner:**

Kiowa County  
Mr. Matt Christenson  
(620) 723-4164

This 20,210-square-foot building includes the Greensburg branch of the Kiowa County Public Library, the Kiowa County K-State Research and Extension Office, the Kiowa County Historical Museum and the Greensburg/Kiowa County Community Media Center.

The Media Center will allow area residents to film, edit and distribute media, such as high school sports events and local news, through WiFi and public access television using state-of-the-art equipment. The TV Studio was designed with a concrete lid so it serves as a storm shelter for the facility.

The design includes a vegetative roof system using native vegetation, roof-mounted photovoltaic cells, high-performance lighting and controls, an enhanced mechanical system, stormwater runoff collection system and water-efficient landscaping. Rainwater is recirculated through a water feature in the courtyard, which also serves as an educational tool illustrating water reuse systems.

Currently under construction, the building has been designed to LEED NC 2.2 Platinum standards.





## GREENSBURG PUBLIC WORKS GREENSBURG, KS



**Construction Cost:**

\$1,982,598

**Total Square Footage:**

11,200

**Completed:**

2010

**Owner:**

City of Greensburg  
Ms. Sheila Magee  
(620) 723-2751

The main building, containing 5,200 square feet, includes two maintenance bays, a crane bay, a mechanics' bay, and a wash bay. An administrative area is also included. A separate 6,000-square-foot storage structure was designed to house vehicles and equipment.

The building is constructed of insulated precast concrete panels for energy efficiency and durability and utilizes ground-coupled heat pumps for heating and cooling.

Complete mechanical, piping and electrical systems were included as part of the work, as well as site improvements, including parking and landscaping.

Pending LEED Gold certification, the facility includes such features as roof-mounted photovoltaic cells, skylights and daylight harvesting controls for daylighting, and low-water-usage plumbing fixtures. The work bays feature in-floor hydronic heat for employee comfort.





DILLONS KWIK SHOP, GREENSBURG, KS

A 3,250-square-foot grocery store expansion and renovation were designed for the damaged, but existing, Kwik Shop convenience store. Designed by GLMV as a prototype for rural grocery stores, the hybrid store serves the needs of Greensburg residents by offering both immediate consumption and take-home items. The building incorporates numerous energy-efficient features. These include a well-insulated roof, high albedo reflective roof coating, skylights, energy-efficient lighting and photosensors.



AIR SUPPORT OPERATIONS SQUADRON (ASOS) BEDDOWN, KANSAS AIR NATIONAL GUARD, SMOKY HILL WEAPONS RANGE, SALINA, KS

The Air Support Operations Squadron functions in a liaison and control capacity for the Air Guard and Air Force as well as support for Army divisions, brigades and battalions. While the Kansas Air National Guard did not seek LEED certification for this project, the design employs many sustainable features and the project is capable of obtaining LEED Silver certification.



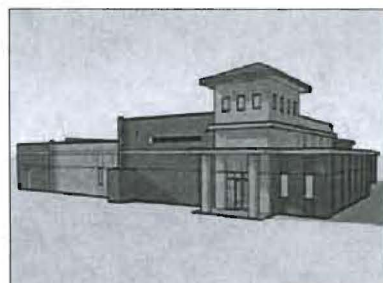
DIGITAL TRAINING FACILITY, FORT LEONARD WOOD, MO

Design for a new 75,917-square-foot Automated-Aided instructional facility to support Digital Education in Chemical, Military Police, and Engineer professional military education courses at Fort Leonard Wood, Missouri. The facility provides applied computer instructional classrooms with an administrative area and associated hardstand and parking. The project was designed to LEED Silver standards, incorporating many sustainable design features.



RANGE UPGRADE OPERATIONS FACILITY, KANSAS AIR NATIONAL GUARD, SMOKY HILL WEAPONS RANGE, SALINA, KS

The primary new building in this overall upgrade project is a new Operations Building which will house the Guard Commander with supporting staff and Operations. Containing approximately 10,000 square feet, the building will be constructed of masonry with a storefront window system and a standing seam roof. Functions will include office space, a drive-through garage area, main gate, and new fueling stations.



ARMY RESERVE CENTER, SINTON, TX

The Project provides replacement training facilities for 3 U.S. Army Reserve units (200 personnel). The Project includes the 200-member training facility and a maintenance shop that will provide work bays and maintenance administrative support. The Project will also provide for adequate parking space for military and privately owned vehicles.



ARMY RESERVE CENTER, FORT WORTH, TX

The Army Reserve Center consists of training, vehicle maintenance, and unheated storage facilities for approximately 600 U.S. Army Reservists in 9 Army Reserve Units. The 63,000-square-foot Training Center and 15,000-square-foot Organizational Maintenance Shop are the main focus of the ARC. Two existing weapons storage igloos were refurbished with new doors and lighting to provide unheated storage space. The project was designed to meet a minimum level of LEED Silver.



ACCESS CONTROL POINTS, FORT LEONARD WOOD, MO

The Access Control Points (ACPs) provide the first defense security screening of the incoming public visitors, service providers, and military personnel. This project upgrades the existing Access Control Facilities at the main gate as well as the south and east gates of Fort Leonard Wood, Missouri. Designed to SPIRiT Silver standards, the project includes a Visitor's Center, a Main Entry Canopy, a Guard Monitoring Building, and anti-terrorism/force protection design.



RENOVATE BUILDING 472, FORT LEAVENWORTH, KS

The renovation of Buildings 472 provides office, storage, and staging facilities for the Battle Command Training Program (BCTP). All major components of the 21,546-square-foot building failed or were in failing condition. The project was executed using a design-build fast-track delivery method. The scope of work included special design considerations for historic structures, ADA upgrades and comprehensive furniture design and selection for all interior spaces.



WHOLE BARRACKS COMPLEX, FORT HOOD, TX

This design-build project includes Whole Barracks Complex consisting of Unaccompanied Enlisted Personnel Housing (UEPH) facilities and Company Operations Facilities (COFs). It is designed to house 324 soldiers, housed in 6 barracks buildings of 3 stories each. The 8.4-acre site also includes a visitor center for the barracks complex, 2 company operations buildings, as well as parking. The project was designed to meet a minimum level of LEED Silver certification standards.

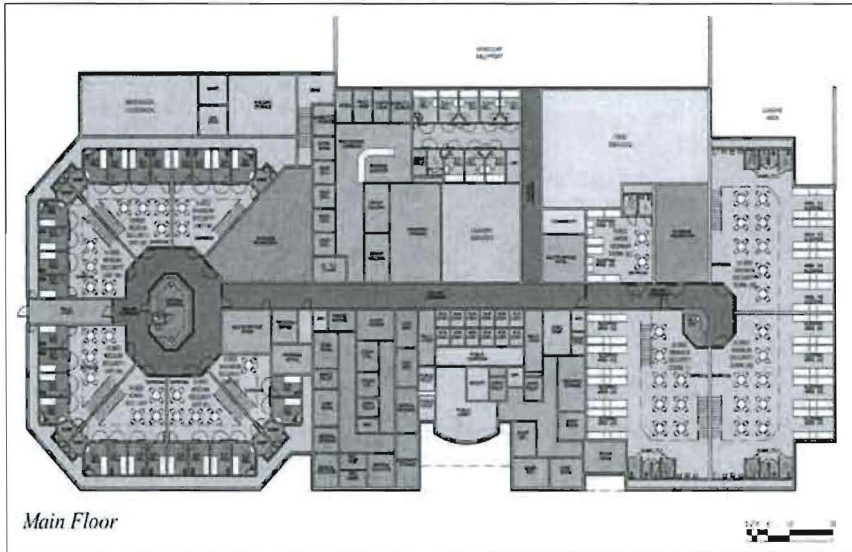


BCT BARRACKS COMPLEX, FORT LEWIS, WA

Design and construction of seven 3-story barracks buildings to house over 800 soldiers, located at Fort Lewis, Washington on a 14-acre site. The barracks are grouped in an organized fashion, taking into consideration a tree preservation area that is nearby. The adjacent parking lot accommodates 430 vehicles, and includes a dumpster/lawn mower storage area. The complex was designed to meet LEED Silver certification standards.



### CITY OF ENID AND GARFIELD COUNTY JAIL STUDY ENID, OK



Main Floor

**Construction Cost:**  
\$7,700,000 (est.)

**Total Square Footage:**

**Completed:**  
2002

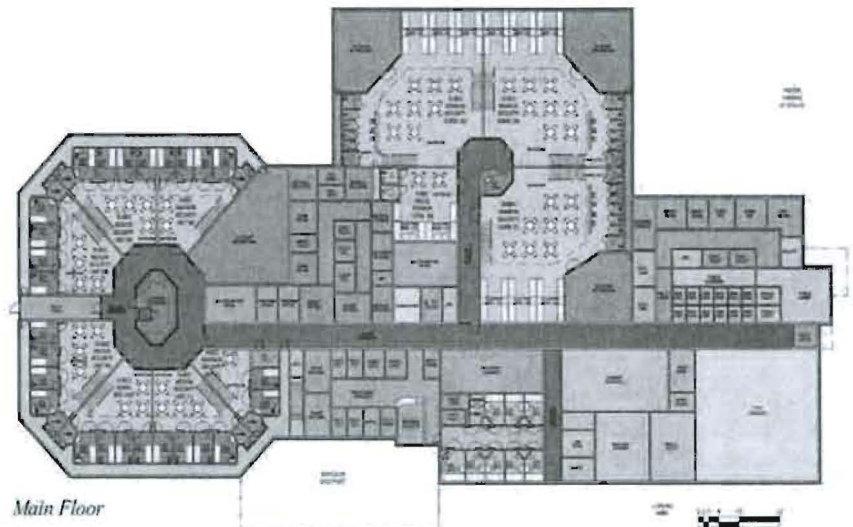
**Owner:**  
Enid Police Department  
Mr. Rick West  
(580) 242-7000

GLMV was retained by the Enid Police Department to prepare a study for the City of Enid and Garfield County Jail. The firm prepared summary reports highlighting the following information:

1. Existing Physical Plant Evaluation for compliance with current code and American Correctional Association requirements, and brief description of the condition of building components/systems.
2. Space Program to define space needs for expanded facility including initial construction costs, operational costs, and site development costs.

The following components were included as part of the evaluation:

- ▶ 196-bed detention
- ▶ administrative space
- ▶ admissions
- ▶ food service
- ▶ laundry
- ▶ multipurpose/support space



Main Floor



## MINT TURBINES, LLC ENGINE OVERHAUL REPAIR FACILITY STROUD, OK

**Construction Cost:**

\$2,434,720

**Total Square Footage:**

41,000

**Completed:**

2011

**Owner:**

Mint Turbines, LLC

Mr. Chris Van Denhende

(918) 968-9561

After presenting Mint Turbines, LLC and the Stroud Industrial Authority with several design options created in BIM, GLMV designed this 41,000-square-foot addition to create a state-of-the-art 73,000-square-foot facility as part of a design-build contract. The repair center, designed to overhaul aircraft and helicopter turbine engines, serves over 500 clients and has repaired thousands of engines.

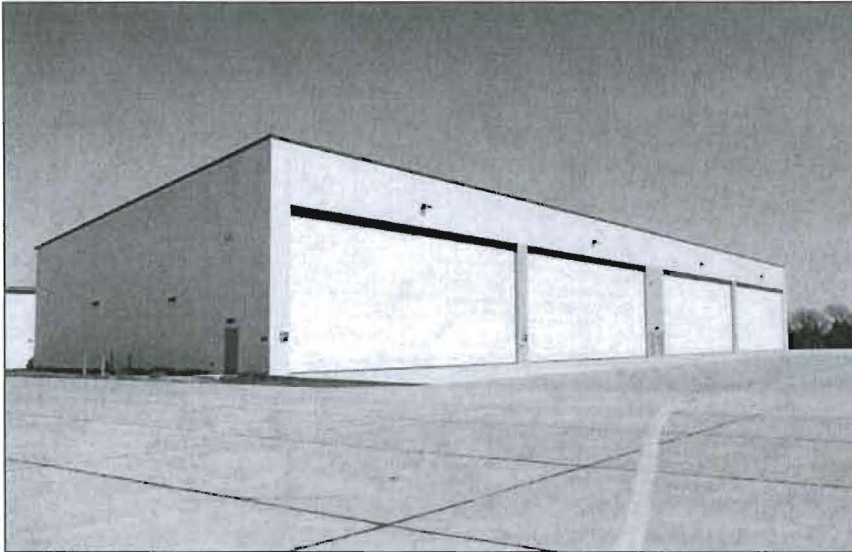
The 29,000-square-foot repair area includes:

- ▶ disassembly area
- ▶ machine shop
- ▶ cleaning room
- ▶ nondestructive testing area
- ▶ paint booth
- ▶ assembly area
- ▶ dynamometer test cell

The administrative area consists of 6,000-square-foot finished office and support spaces, including lobby, restrooms, and conference spaces. The facility was also designed with 6,000 square feet of shell space for future expansion needs.



## FUEL SYSTEMS MAINTENANCE HANGAR VANCE AIR FORCE BASE, ENID, OK



**Construction Cost:**

\$6,500,000

**Total Square Footage:**

22,701

**Completed:**

2009

**Owner:**

Vance Air Force Base

Ms. Donita Hazlett

(580) 234-7110

This new, 22,701-square-foot, \$6.5 million, state-of-the-art maintenance hangar was designed by GLMV under a design-build contract with a local general contractor.

The new hangar was designed to service current types of training aircraft in the Vance inventory, including the T-1A Jayhawk, T-38 and T-6A. It allows for both scheduled and unscheduled maintenance activities and service for all aircraft in the Vance fleet.

The hangar includes a bladder repair room, storage/tool room, office, break room, four maintenance bays, AT/FP, administration and support spaces.

Sitework included pavement, grading, storm drainage, utilities, water distribution, sewer and oil/water separator.

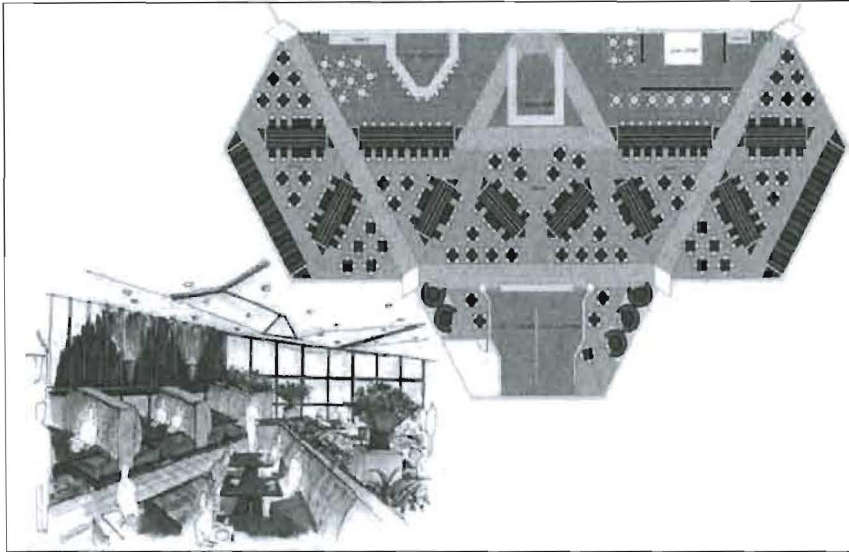
The maintenance hangar was designed to LEED Silver standards, and is currently pending LEED certification.

Mechanical, electrical, and civil engineering design services were provided by Professional Engineering Consultants.





# ORAL ROBERTS UNIVERSITY RENOVATIONS TULSA, OK



**Completed:**

2006

**Owner:**

Oral Roberts University

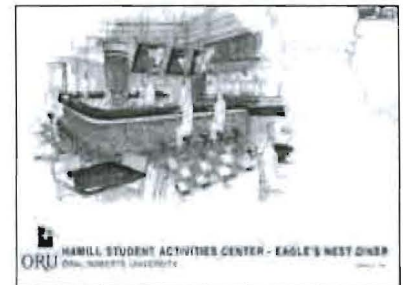
Tim Philley, Sodexo

(918) 493-8081

Following a master plan of the entire campus, including the dining area, numerous improvements to the student life experience at this private university in Tulsa, Oklahoma were designed by the firm.

At the Hamill Student Activities Center, the student dining commons was renovated along with the "Eagles Nest Diner." New retail and food service concepts were added to the adjacent "Cityplex" building on campus.

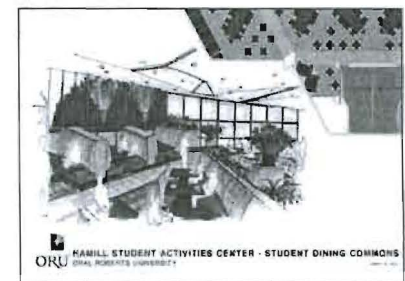
Finally, a new kiosk pavilion was designed for the student plaza between the dorms and the student activities center.



HAMILL STUDENT ACTIVITIES CENTER - EAGLE'S NEST DINER  
ORU ORAL ROBERTS UNIVERSITY



CITYPLEX - RETAIL CONCEPTS  
ORU ORAL ROBERTS UNIVERSITY



HAMILL STUDENT ACTIVITIES CENTER - STUDENT DINING COMMONS  
ORU ORAL ROBERTS UNIVERSITY



## YUM! BRANDS, INC. PROJECTS STATEWIDE



**Construction Cost:**

Varies

**Total Square Footage:**

Varies

**Completed:**

Ongoing

**Owner:**

YUM! Brands, Inc.

The firm has enjoyed a long-standing relationship with this company headquartered in Louisville, Kentucky. GLMV has provided a variety of services for both corporate and franchisee clients on the following restaurant types:

- ▶ Pizza Hut, including new builds, remodels, WingStreet, delivery/carryout units, tenant finishes and prototype design
- ▶ Taco Bell, including new builds, brand re-images, long and short term asset remodels
- ▶ KFC, including new builds, brand revisions, new equipment add-ons, and upgrades, including prototype design documents
- ▶ Long John Silver's – including new builds and remodels
- ▶ A&W – including new concept development
- ▶ Multi-brand units – a combination of one or more of the above concepts designed into a single stand-alone building

Over 30 of these projects have been in Oklahoma, including:

- |                     |                 |
|---------------------|-----------------|
| ▶ Oklahoma City, OK | ▶ Edmond, OK    |
| ▶ Tulsa, OK         | ▶ Bethany, OK   |
| ▶ Sand Springs, OK  | ▶ Duncan, OK    |
| ▶ Yukon, OK         | ▶ Moore, OK     |
| ▶ Midwest City, OK  | ▶ Enid, OK      |
| ▶ Norman, OK        | ▶ Claremore, OK |





## WATER TREATMENT FACILITY CUSHING, OK



**Construction Cost:**

\$5,500,000

**Total Capacity:**

3.0 MGD

**Completed:**

2009

**Owner:**

City of Cushing

After a study was conducted evaluating the domestic water supply system of the City of Cushing, GLMV was contracted to provide architectural services for the design and construction of a new water treatment plant.

The plant circulates water through filtering systems that remove iron and manganese through an aeration system, and then through recarbonation, softening and disinfection systems. Once purified, the water is pumped from the clear-well to the new elevated storage tower and distribution system.





CHILD CARE CENTER FOR THE PONCA TRIBE OF OKLAHOMA, PONCA CITY, OK

This one-story, 6,671-square-foot, wood-framed structure fulfilled a long-term goal for the Tribe's child care services. The facility has classrooms, daycare rooms, restrooms and storage space, with the capacity to accommodate 57 children.

SURGERY EXPANSION AND REMODEL, EDMOND REGIONAL MEDICAL CENTER, EDMOND, OK

The surgery expansion consisted of the Post Anesthesia Care Unit (PACU), a new 4-bed patient holding area, a new recovery area, four new ORs, and one enlarged and renovated operating room. All rooms are approximately 650 square feet. The existing cystoscopy suite was expanded for improved urology and related procedures. Located between two ORs are scrub areas, sub-sterile and storage room.

UNIVERSITY OF TULSA, TULSA, OK

GLMV assisted the University of Tulsa with developing brand concepts at the Student Activity Center, and developed concept sketches. The Student Dining Hall is outdated, and the kitchen areas have more than met life cycle expectations. GLMV prepared a design concept giving them options for updating and improving the facility.

NORTHEASTERN UNIVERSITY, CAMPUS RETAIL AND RESIDENT DINING CONCEPTS, TAHLEQUAH, OK

GLMV provided design services for the University Center. On the first level, this included a modification of the existing servery and the addition of a soup and salad bar and a drink station. On the lower level, the food court renovations included the addition of a Taco Bell, Chick-Fil-A and Sub Connection. Additional renovations were designed for Leoser Hall and Flo's, including a Starbucks and a Pizza Hut Express.

Additional recent projects in Oklahoma include:

- ▶ Conoco/Phillips Technology Center, Cafeteria Remodel, Bartlesville, OK
- ▶ BAE Systems Assembly Plant, Ft. Sill Industrial Park, Elgin, OK
- ▶ Chemical Feed Building, Bixby, OK