



ALLGEIER, MARTIN and ASSOCIATES, INC.

Consulting Engineers and Surveyors

Letter of Interest for Roadway Design for Missouri On-Call LPA

Prequalification

Allgeier, Martin and Associates, Inc. is prequalified and is on MODOT's approved consultant list.

General Experience of Firm

Since 1954 Allgeier, Martin has successfully designed and administered contract engineering and construction inspection services for numerous roadway design projects. With a staff of over 120 employees, we are confident that completed projects listed are a testimony to our experience and technical competence, not only with a successful design, but to administer a project and provide qualified field technicians. Our experienced staff of engineers and inspectors are very familiar with roadway design and the construction industry and realize the importance of qualified personnel that will intercept problems, work through challenges and solve problems necessary to keep a project moving forward. Many of our clients have been repeat clients for 50 years or more. Because Missouri's LPA On-Call services require a firm of Allgeier, Martin's experience and technical competence, the client will benefit from our well trained technical staff of engineers and inspectors.

Past Record of Performance

We are confident that the examples of our performance on similar type projects included in this Letter of Interest, demonstrates our ability to provide the client with quality design engineering and inspection services that result in the best product for the client. Our professionalism drives our project managers, designers, and inspectors to provide the best possible product for our clients. Because of Allgeier, Martin's extensive involvement with municipal, county, and MPO engineering services, we have established trust with dependable service to our clients. The professional relationships we have built over the years has enabled us to clearly outline a clients expectations with any project. Allgeier, Martin understands our clients and the importance of excellence and performance. We have established an excellent record of performance for cost control, quality of work, and ability to meet schedules. A sampling of roadway projects that Allgeier, Martin has successfully completed follows:

Jane, Missouri - Highway 71 and Larry Neff Drive

Freeman Hospital had plans to construct a medical clinic on Highway 71 just north of Jane, Missouri. To provide sufficient access to this site, Freeman Hospital retained Allgeier, Martin to provide a traffic study including complete design engineering and construction inspection services leading to the development and installation of a fully actuated signalized intersection. As part of this effort, the intersection was also designed to provide access for a potential development on the opposite side of the highway. Allgeier, Martin worked closely with representatives of the Missouri Department of Transportation, and City officials to develop a design that would meet the future needs of the area. The geometric components of the intersection consists of a 5-lane state highway configuration with fully protected left turn lanes and dedicated right turn lanes. To meet safety criteria and future development opportunities, the intersection was designed with street lights, advanced warning beacons and wireless interconnect capabilities.



Geometric Improvement - Jasper County, Missouri

The intersection of Redbud Road and State Highway 37 in Jasper County was poorly aligned and required improvement. Allgeier, Martin was retained by the Jasper County Commission to provide complete design engineering and construction inspection services. The existing geometry consisted of two tangent approaches for Redbud Road to the curve in State Highway 37. This not only created a land locked environment for the property in the center of the intersection, but it also made it difficult for motorists to safely view any oncoming traffic before entering onto the State Highway. To further compound the situation, the approaches to the State Highway were very steep. As such, it was difficult for motorists to see and accelerate onto the State Highway safely. A topographic survey was performed by Allgeier, Martin to obtain elevations, drainage, utility, and property ownership information. Following a desktop evaluation, a proposed curve was staked in the field to allow the County the opportunity to meet with property owners to discuss the proposed improvements. Following the onsite field meeting, the design was refined with information received from the County and property owners. The final design also included elevating the approaches to create a flat grade approach and large intersection turn radii's.

Geometric Improvement for North Main Street Across MNA Railroad - Jasper County, MO

In 2011, Allgeier, Martin was selected to provide design engineering services for the realignment of North Main Street across an at-grade intersection with the Missouri North Arkansas Railroad. While the site distance for oncoming trains was sufficient, the horizontal and vertical alignment of the approach roadway were oriented such that the opposite approach could not be seen by motorists. This resulted in numerous roadway departures, and one recorded fatality. Allgeier, Martin worked closely with officials from the Missouri Department of Transportation, Railroad and local government to derive a solution. The final design included geometric improvements to straighten the horizontal alignments and raise the roadway approach grades to improve site distances across the intersection. Signals and gates were also installed to supplement the safety of the intersection.



U.S. Highway 166 KLINK 1R Resurfacing (US) 166 National Silver Award Winning Project - Coffeyville, Kansas

In 2008, Allgeier, Martin and Associates, Inc. was selected to provide professional engineering and construction inspection services to rehabilitate a 5,200-foot long section of State Highway 166 between Walnut Street and 8th Street in Coffeyville, Kansas. This section of pavement was experiencing pavement and joint failures resulting in diminished rideability. The project consisted of approximately 2,307 dowel bar retrofit units, 5,800 square yards of full and partial depth pavement repairs, and 27,000 square yards of diamond grinding. Traffic control, joint sealing and pavement marking were also incidental to the project. The project was let in 2009 and completed under budget and in 127 of the specified 185 contract completion days. The project was budgeted at \$1,100,000. The low bid for the project opened at \$881,000. Because of the surplus budget, the City was able to address additional pavement repairs that were considered marginally acceptable during plan development. As a result, the additional pavement repairs served to preempt premature pavement failures and maintenance needs. In March of 2010, this project was also recognized by the MO/KS Chapter of the American Concrete Paving Association as being the best concrete Restoration Project (CPR) completed in 2009. Then in September of 2010, the City of Coffeyville received notification that this project would be recognized nationally at ACPA's National Convention in Florida as a **Silver Award Winning Project**.



Qualifications of Personnel

- **Mike Atkinson, P.E.** is a Vice President who has extensive experience and familiarity with federal-aid projects, the MODOT Southwest District staff, as well as his 20 years of a variety of transportation design, contract administration, and inspection experience.
- **Kurt Higgins, P.E.** is a Vice President with Allgeier, Martin and Associates, Inc. with 20 years of experience in site development of civic projects, industrial parks, retail centers including stormwater management, water, sewer, site grading, hydrologic/hydraulic analysis and design as well as construction plan development for transportation.
- **Michael Keaton, P.E.** has been involved in a wide range of civil engineering projects. His 6 years of experience includes design engineering and construction plan development for stormwater, transportation, sewer and site development projects.
- **Jared Nichols, P.E.** has 6 years of experience with a range of projects. He has assisted with hydraulics, roadway layout and the structural aspects of transportation engineering projects.
- **Joe Wilson, P.E.,** is a Vice President with Allgeier, Martin and is head of the Hydrology Division. He specializes in stormwater management, flood studies, bridge hydraulics, storm water master planning, stormwater management regulation development, technical training and peer review. He has more than 20 years of experience in storm water management.
- **John Emmert** has 12 years experience in construction inspection and surveying, and carries Level I and II Aggregate and Soils Testing, Level I Bituminous Paving and Superpave. Mr. Emmert is also certified by the American Concrete Institute as a certified concrete field testing technician. His level of certifications, experience and technical competency with these types of projects will be an asset to meet necessary federal-aid project requirements. Mr. Emmert is responsible for the field testing.



Qualifications of Personnel Continued

- **Mike Copley**, formerly a 20 year veteran with MODOT, brings his experience to Allgeier, Martin in several aspects of construction staking on projects with multiple miles of divided highway, bridges and drainage structures. Slope staking, pre-split on rock areas, drainage structure staking with alignment and grade adjustments made in the field, grading ditches, bridge stakes and paving grades.
- **Monnie Sears R.L.S.** has 30 years of experience in research, collection of field data, plotting, preparation of plans and profiles, and writing legal descriptions for boundary surveys, easement surveys, topographic surveys, engineering design surveys, route surveys, and construction staking.

Familiarity/Capability

Allgeier, Martin has provided planning, design, construction phase, and construction inspection engineering services on federal projects since 1954. As such, we have extensive experience in complying with federal law on projects. Managing a project from planning through construction requires experience with both protocol and process. Funding and regulatory agencies require time for review and comment at various stages. Coordination of staff in the completion of each project element calls for experience with time allotment. We have worked on industrial park infrastructure and street projects that have been funded with Economic Development Administration Grants as well as bridges, culverts, streets, intersection improvements, signalization, street lighting and utility relocation that have been funded by the MODOT, Federal Aid Bridge Replacement Off system (BRO) program. In Kansas, transportation projects performed for our clients have been funded through KLINK. Our experience with federal projects offers our clients a resource of current and extensive knowledge of federal law, record keeping requirements, and conditions inherent with each funding program.

Accessibility

Allgeier, Martin has established a step-by-step approach that involves interaction with the client that allows the owner and the engineer to understand expectations, options, costs and solutions to meet the needs of the client. We plan project development meetings with the client to gather critical project design information before any design or survey is performed. Following the initial project development meeting, we obtain a topographic survey of the area and begin the preliminary design phase. We believe it is important to engage interaction with adjacent property owners and perform preliminary field staking for a project. This allows the client and property owner a chance to provide input and, if deemed necessary, to make needed changes before the final design is completed. This type of interaction allows the final design to move forward according to the needs and expectations of the client.

Conclusion

Allgeier, Martin and Associates, Inc. is committed to providing the best quality engineering services to our clients possible. We look forward to continuing our strong working relationships with our existing clients and desire to develop new relationships with municipalities, counties and MPO's of Missouri.

Additional Engineering Services Provided by Allgeier, Martin and Associates, Inc.

- Wastewater Collection
- Wastewater Treatment
- Water Systems
- Water Treatment
- Stormwater



- Hydrology
- Hydraulics
- Surveying
- Right-of-Way

Joplin, Missouri
Rolla, Missouri



▶ ELECTRICAL



▶ CIVIL



▶ SURVEYS



ALLGEIER, MARTIN and ASSOCIATES, INC.

● CIVIL | ● ELECTRICAL | ● SURVEYS



Civil and Electrical Consulting Engineers

Allgeier, Martin and Associates, Inc. has provided planning, design, and construction phase engineering services to public and private sector clients since 1954.

The Civil Division serves municipalities, government agencies, institutions and industries and provides a complete range of services from small to large complex projects.

The Electrical Division serves rural electric cooperatives, investor-owned and municipal-owned utilities and has undertaken large, complex electrical

engineering projects in nine states in the mid-west.

We are celebrating **60 years** of "Turning Ideas Into Reality" for clients from Texas to Ohio, Louisiana to Nebraska. Despite our increased capabilities to serve medium and large clients, we still understand and serve the needs of the small client, whether municipal, commercial, industrial, or institutional.

- Airports
- Bridges
- Building Foundations and Structures
- City Engineering
- Commercial Development
- Compliance Permit Applications
- Comprehensive Planning
- Construction Representation
- Flood Control Projects
- Hydraulic Structures
- Industrial Wastewater
- Rate Studies
- Recreational Facilities
- Site Investigations and Assessments
- Stormwater Drainage
- Streets and Roadways
- Wastewater Collection Systems
- Wastewater Treatment Facilities
- Water and Wastewater Pumping Stations
- Water Distribution Systems
- Water Supply Wells and Reservoirs
- Water Treatment Plants
- Water Storage Tanks

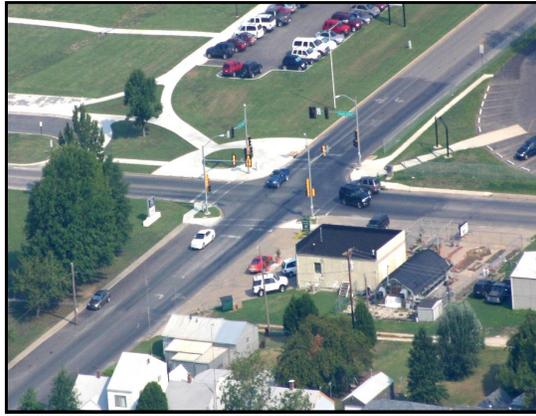


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ALLGEIER, MARTIN AND ASSOCIATES, INC.

CIVIL TRANSPORTATION CAPABILITIES



Since our inception in 1954, the design of roads, streets and intersections, bridges, signalization, street lighting, sidewalks, trails and airports has been among our featured services. We have planned and designed hundreds of miles of roads and streets for cities,

counties, industrial parks, institutional facilities, and state routes. State transportation departments, municipalities, counties, industries, and airport agencies have utilized the experience and technical knowledge of Allgeier, Martin to plan and design new facilities, or to make improvements to existing facilities, to meet the growing needs of the traveling public.



TRANSPORTATION

- Bridges
- Roadways
- Overpasses
- Structures



U.S. Highway 166 KLINK 1R Resurfacing
(US) 166-630-2083-01 and 02 - Coffeyville, KS
National Silver Award Winning Project





TRANSPORTATION

Trails
Sidewalks



Through the use of state-of-the-art technology, an expert staff, and precise planning, we deliver and execute engineering, surveying and design projects with desired results.



For more information,
scan the QR code
or contact us
at mail@amce.com.

