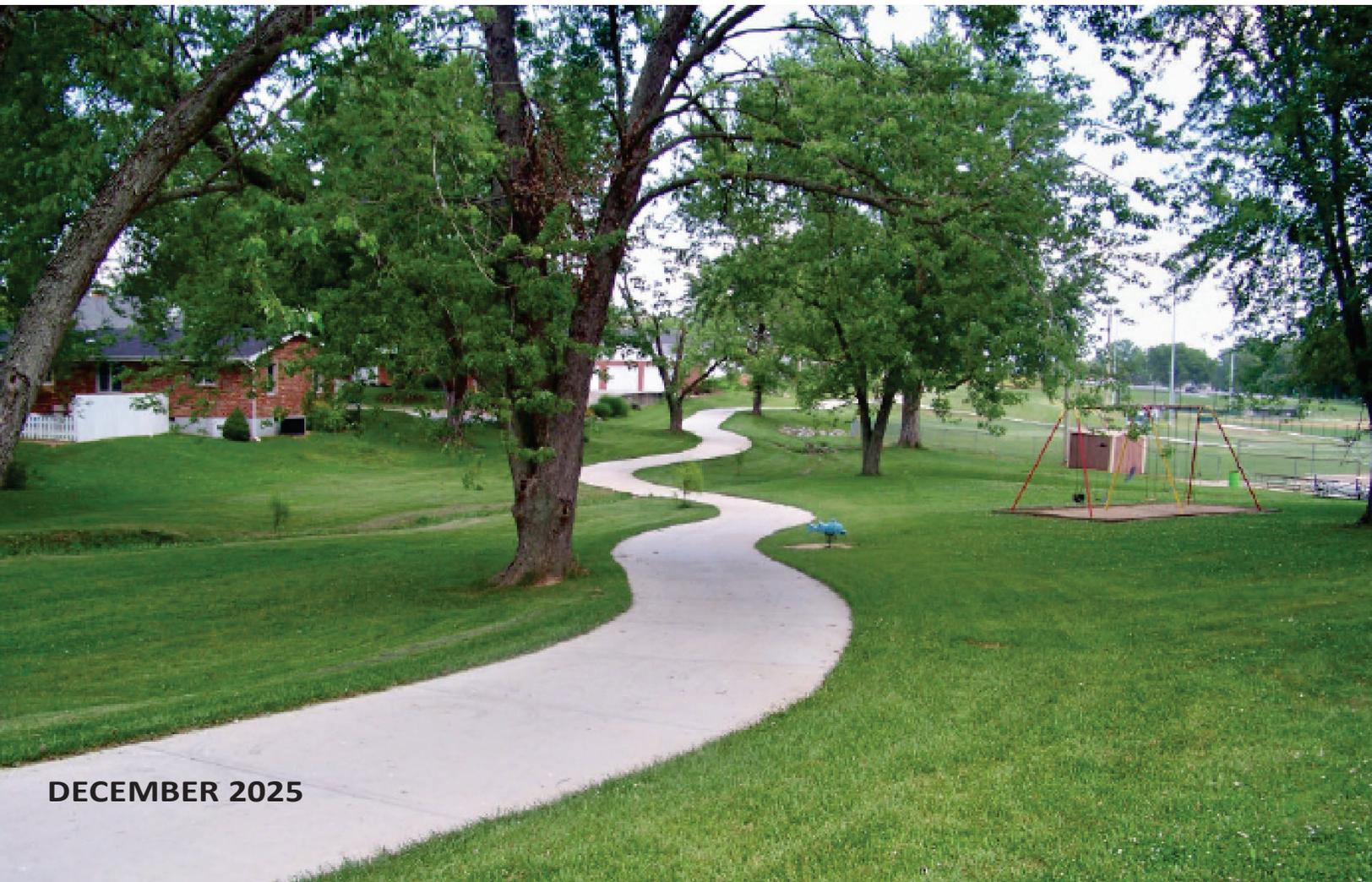




Professional Engineering, Design, and Inspection Services

For Missouri's Local Program MODOT
LPA On Call Services

Roadway Design



DECEMBER 2025

TABLE OF CONTENTS

<u>DESCRIPTION</u>	<u>PAGE #</u>
General Information & Technical Experience	1
Familiarity & Capability to Perform the Work	2
Accessibility	2
Team Experience & Qualifications	3
Past Record of Performance	4-6

GENERAL INFORMATION & TECHNICAL EXPERIENCE

Baer Engineering, LLC specializes in civil engineering and land surveying, and has extensive experience with municipal and county government infrastructure improvement projects as well as commercial and industrial building developments. These projects have consisted of civil engineering, land surveying and construction supervision and inspection for residential, commercial, and industrial streets, bridge and culvert improvements, hiking & biking trails, multi-use shared use paths, sidewalks, public park restroom facilities, pavilions, baseball and softball fields and related park facilities, sewer mains, sewage pump stations, water mains, storm sewers, detention basins, parking lots and site development for new building construction. Our company is routinely responsible for land surveying, ALTA/NSPS Land Title Surveys, preparation of right-of-way and easement plats and descriptions, engineering, design, preparation of the construction drawings, bid specifications, bidding, awarding of the construction contracts, and construction supervision and inspection services for these types of projects. In addition, we have successfully and efficiently engineered and supervised several construction projects funded through various grant programs such as Missouri Department of Transportation Enhancement, Transportation Alternatives Program (TAP), and ARRA funded projects and Community Development Block Grant Program projects.

Baer Engineering, LLC has been performing engineering and surveying services, construction supervision and inspection services for municipal and county government projects for over 35 years. Our experience includes preliminary design and preparation of final construction drawings, specifications, and project manual, surveying and preparation of right-of way drawings, ALTA/NSPS Land Title Surveys, easement plats and descriptions, geotechnical investigations, coordination with various utility companies and permitting agencies, and hydraulic analysis for storm water related projects. We are fully capable of managing, documenting, and inspecting projects of various scopes and size. Our experience has involved contract administration, reviewing shop drawings and material certifications, reviewing and processing pay requests and change orders, and ensuring proper progress of the contractor by identifying, coordinating, and resolving any potential issues to the progress and quality of the work. We routinely perform on-site construction observation and inspection, including sampling and testing materials, traffic control and public safety oversight, and working with all affected constituents, property owners, and/or concerned citizens. We strive to ensure the project is completed and closed out to the satisfaction of the client, on-time, and within the budget constraints.

Our firm is listed on MoDOT's current List of Pre-Qualified Consultants for Federal-aid projects, and has experience with MoDOT LPA, MoDOT TAP, ARRA, CDBG, and EDA funded projects. We are also very familiar with the MoDOT permitting and design departments and have extensive experience with coordinating the various aspects of projects that impact MoDOT Right of Way and transportation facilities.

FAMILIARITY & CAPABILITY TO PERFORM THE WORK

Baer Engineering, LLC is fully staffed and ready to perform the necessary surveying and engineering services for various types of Local Public Agency projects. We are experienced and fully capable of managing numerous projects concurrently and able to dedicate the necessary resources to a specific project to meet the timeline of the client. Our staff includes many years of experience that we will rely upon to complete projects in a cost-effective manner.

We have successfully and efficiently engineered and supervised several construction projects funded both by local funding and through various grant programs such as Missouri Department of Transportation Enhancement, Transportation Alternatives Program (TAP), and ARRA funded projects and Community Development Block Grant Program projects.

ACCESSIBILITY

The office of Baer Engineering, LLC is located at 313 N. Jackson Street in Perryville, Missouri. We have successfully surveyed, designed, and facilitated the construction of many projects for municipalities and county governments within the surrounding areas.

TEAM EXPERIENCE & QUALIFICATIONS

- **Timothy Baer, P.E., P.L.S. ~ Managing Member & Principal Engineer**
 - Experience: Baer Engineering, LLC, 1993-present
 - Registration: Professional Engineer, Missouri
Professional Land Surveyor, Missouri
 - Affiliations: American Society of Civil Engineers (ASCE)
Missouri Society of Professional Surveyors (MSPS)
Elected as County Surveyor, Perry County, Missouri
 - Education: University of Missouri – Rolla, B.S. Civil Engineering, 1993

- **David Schumer, P.L.S. ~ Survey Party Chief & Senior Engineering Technician**
 - Experience: Baer Engineering, LLC, 1982-1985, 1990-present
St. Louis County Surveying & Engineering, 1985-1990
 - Registration: Professional Land Surveyor, Missouri
 - Affiliations: Missouri Society of Professional Surveyors (MSPS)
 - Education: Linn Technical School, Graduate, 1982

- **Adam Tiehes, P.E. ~ Project Engineer**
 - Experience: Baer Engineering, LLC, 2006-present
 - Registration: Professional Engineer, Missouri
 - Affiliations: American Society of Civil Engineers (ASCE)
 - Education: University of Missouri – Rolla, B.S. Civil Engineering, 2006
University of Missouri – Rolla, B.S. Arch. Engineering, 2006

- **Kyle Bierk, E.I. ~ Design Engineer & Construction Inspector**
 - Experience: Baer Engineering, LLC, 1998-present
 - Registration: Engineer Intern, Missouri
 - Certifications: OSHA 10 Hour
MoDOT Conc. Field/Advanced Conc., Conc. Field & Strength, Field
Density
 - Education: University of Missouri – Columbia, B.S. Civil Engineering, 1998

- **Luke Miget, P.E. ~ Project Engineer**
 - Experience: Baer Engineering, LLC, 2017-present
Penzel Construction Company, 2004-2017
 - Registration: Professional Engineer, Missouri
 - Affiliations: American Society of Civil Engineers (ASCE)
 - Education: University of Missouri – Rolla, B.S. Civil Engineering, 2004

- **Isaac Baer, E.I. ~ Design Engineer & Construction Inspector**
 - Experience: Baer Engineering, LLC, May 2021-present
 - Registration: Engineer Intern, Missouri
Land Surveying Intern, Missouri
 - Affiliations: 1st Lieutenant, United States Army Reserve
 - Education: Missouri University of Science & Technology, B.S. Civil Engineering, 2021

PAST RECORD OF PERFORMANCE

Baer Engineering, LLC has a history of performing services which meet the needs and goals of the client. It has always been our priority to control costs within the client's budget for both the design and construction phases, and constantly communicate design options to make efficient use of the available funding. Our goal is to provide the client with quality work, utilizing our professional expertise and widely accepted design methods, surveying equipment, and computer software. Our company also strives to complete the design work in a manner that will meet the client's overall project timeline.

Below is a listing of projects we have completed that demonstrate we have the necessary experience and competence to complete various types of municipal improvement projects, including federal projects that are compliant with federal law, while meeting the needs of the client:

- **Vincentian Way Street Extension**
 - Client: City of Perryville, Missouri
 - Date: Constructed in 2023/2024
 - Project No: Governors Transportation Cost Share Program SNS0009
 - Description: Design and construction of a 3,350 linear feet 30 feet wide concrete pavement, 3,300 linear feet of 10 feet wide concrete shared use path, curb ramps reinforced concrete box culvert, stormwater inlets and piping, excavation and grading.

- **2022 Street Improvements (Moulton Street)**
 - Client: City of Perryville, Missouri
 - Date: Constructed in 2022/2023
 - Description: Removal of existing asphalt pavement and replace with 1,300 linear feet of 8" thick concrete street, concrete driveways, sidewalks and curb ramps, and retaining walls.

- **2021 Street Improvements (North Parkview Dr. & Mary Street)**
 - Client: City of Perryville, Missouri
 - Date: Constructed in 2021/2022
 - Description: Removal of existing asphalt pavement and replace with 1,800 linear feet of 8" thick concrete street, concrete driveways, sidewalks and curb ramps, and retaining walls.

- **2020 Street Improvements (Tradewinds Dr. & Robb Street)**
 - Client: City of Perryville, Missouri
 - Date: Constructed in 2020/2021
 - Description: Removal of existing asphalt pavement and replace with 2,200 linear feet of 8" thick concrete street, concrete driveways, sidewalks and curb ramps, and retaining walls.

- **Sycamore Road Improvements – Perryville**
 - Client: City of Perryville, Missouri
 - Date: Constructed in 2019/2020
 - Description: Grading and excavation work, removal of asphalt pavement for widening and reconstructing 3,100 linear feet of new concrete street with integral curbs, concrete sidewalks, curb ramps, stormwater inlets and piping, sanitary sewer extension, erosion control, connection to State Highway (MoDOT permit required), land acquisition, right-of-way, and easement surveys.

- **2018 Grand Avenue Improvements – Perryville**
 - Client: City of Perryville, Missouri
 - Date: Constructed in 2018
 - Description: Removal of existing asphalt pavement and replace with 2,400 linear feet of 8” thick concrete street, concrete driveways, sidewalks and curb ramps, and retaining walls.

- **Edgemont Extension – Perryville**
 - Client: City of Perryville, Missouri
 - Date: Constructed in 2017
 - Description: Grading and excavation work, 1,100 linear feet of new concrete street extension with integral curbs, concrete sidewalks and curb ramps, concrete driveways, stormwater inlets and piping, erosion control, land acquisition, right-of-way, and easement surveys.

- **Industrial Park Road Improvements (TG Way) – Perryville**
 - Client: City of Perryville, Missouri
 - Date: Constructed in 2014
 - Description: Grading and excavation work, 2,200 linear feet of new concrete street with integral curbs, MoDOT highway widening for turn lane, stormwater inlets and piping, erosion control, watermain extension, MoDOT permit required, land acquisition, right-of-way, and easement surveys.

- **Portis Street Reconstruction – Ste. Genevieve**
 - Client: City of Ste. Genevieve, Missouri
 - Date: Constructed in 2013
 - Description: Removal of existing asphalt pavement and replace with 630 linear feet of 8” thick concrete pavement with integral curb and gutter, concrete driveways and sidewalks, stormwater inlets and piping, right-of-way & easement surveys and acquisition, MoDOT permits required.

- **Elk Drive and Rand Avenue Extension – Perryville**
 - Client: City of Perryville, Missouri
 - Date: Constructed in 2013
 - Description: Grading and excavation work, 2,800 linear feet of new concrete street with integral curbs, stormwater inlets and piping, stormwater detention basin, erosion control, utilities, MoDOT permit required, land acquisition, right-of-way, and easement surveys.

- **Commercial Drive - Fredericktown**
 - Project No.: Community Development Block Grant (CDBG) 2005-PF-14
 - Client: City of Fredericktown, Missouri
 - Date: Constructed in 2010
 - Description: Concrete roadway with integral curbs and gutters, box culvert extensions, stormwater inlets and piping, guardrail, and turn lane pavement markings.

- **Street Construction Program – Fredericktown**
 - Client: City of Fredericktown, Missouri
 - Date: Constructed in 2007 & 2011
 - Description: Asphalt roadways with concrete curbs and gutters, concrete sidewalks, concrete driveways, storm water inlets and piping.

- **Grand Avenue Improvements – Perryville**
 - Client: City of Perryville, Missouri
 - Date: Constructed in 2016
 - Description: Removal of existing asphalt pavement and replace with 700 linear feet of 8” thick concrete street, concrete driveways, sidewalks and curb ramps, retaining walls, and connection to MoDOT highway including left turn lane.

- **Pine Street Reconstruction – Ste. Genevieve**
 - Client: City of Ste. Genevieve, Missouri
 - Date: Completed in 2011
 - Description: Removal of existing asphalt pavement and replace with 700 linear feet of 8” thick concrete pavement with integral curb and gutter 32 feet wide, concrete driveways, stormwater inlets and piping, MoDOT permits required.

- **Public Improvements for Industrial Park 5th Addition**
 - Project No.: Community Development Block Grant (CDBG) 2008-DI-31
 - Client: City of Perryville, Missouri
 - Date: Constructed in 2010
 - Description: Grading work, detention basin, concrete street with integral curb & gutter, stormwater inlets and piping, water mains, sewer mains, and erosion control.