



**Missouri's
Local
Program**
*for community
development*

COVER SHEET

(This must accompany your firm's letter of interest and does not count in the page limit)

Firm's Full Legal
Name:

Snyder & Associates, Inc.

Firm Contact Name:

Shawn Duke, P.E. - Business Unit Leader

Contact Email
Address:

sduke@snyder-associates.com

Firm's Mailing Address:

802 Francis Street

St. Joseph, MO 64501

Work Category:

- Roadway Design
- Trails & Sidewalks
- Construction Inspection
- Traffic Engineering & TEAP
- Structures
- Environmental
- Historic Preservation
- Multimodal Planning / Systems and Facilities Design
- Transportation Planning – **NEW CATEGORY**

December 11, 2025

Ms. Ashley Buechter, P.E.
Local Program Administrator
Missouri's Local Program for Community Development

RE: TRAFFIC ENGINEERING AND TEAP – LETTER OF INTEREST

Dear Ms. Buechter:

Snyder & Associates is pleased to submit this Letter of Interest to Missouri's Local Public Agency for traffic engineering and TEAP engineering services. This letter will summarize why Snyder & Associates is superbly qualified to provide these services to area communities and counties.

- Over 45 years of firm experience with DOT, STP, Enhancement, and Community Block Grant programs.
- Project Director with 25 years of experience with many varied roadway design and rehabilitation projects, and Traffic Group Leader with 37 years of Traffic Engineering experience.
- Established Traffic Engineering Group with eight full-time engineers, their experience ranges from 5 to 37 years: plus support staff.
- Key resources at local offices in St. Joseph and Gladstone, Missouri, with additional support staff located in our other offices.
- Cost effective engineering services.
- Proven ability to meet schedules and budgets.
- Exceptional working knowledge of DOT, LPA, FHWA, and APWA requirements.
- Practical municipal agency experience with multiple city and county engineering duties/projects.

Experience

Snyder & Associates' Traffic Group, consisting of eight full-time engineers, works exclusively on traffic and safety engineering projects and project elements. Each of these individuals has significant related experience, including previous TEAP, SRTS, and traffic engineering design experience with DOTs. The Traffic Engineering Group, led by Director Mark Perington, P.E., PTOE, was established at Snyder over 23 years ago to meet the traffic and safety needs of public and private clients. The group's continuous growth through ongoing work with established clients is a testament to the quality of their work.

Our team has considerable experience in rural, small town, metropolitan area, and school-related traffic studies that encompass an entire range of traffic conditions as well as local citizen concerns and emotions. Our strong focus on traffic engineering allows us to provide you comprehensive traffic and safety engineering services on a wide variety of projects. From typical TEAP studies to traffic signal timing and ITS implementation, we have the experience and ability to meet your project needs. Snyder & Associates has developed a very professional "can-do" working relationship with several DOTs, which allows us to perform our services as merely an extension of the Local Public Agency.

Past Performance

- *Central Business District Traffic Signal Review, St. Joseph, MO:* Snyder & Associates completed a traffic control study for 25 intersections within the downtown business district. The study included traffic counts, traffic forecasts, Synchro traffic signal, modeling and stop control warrant analyses, recommended concepts and implementation phasing for traffic control improvements, and maintenance budget estimates.

- *Traffic Engineering Assistance Program (TEAP) intersection safety study, Lathrop, MO:* Performed a corridor study of traffic safety issues near the intersection of Missouri Highways 33 and 116 and adjacent commercial driveways. Study included traffic, speed, and crash analyses, traffic signal warrants, traffic operations and geometric improvement recommendations.
- *Highway 36 Diamond Interchange Traffic Study, St. Joseph/Buchanan County, MO:* Snyder & Associates completed a preliminary traffic study for a Diamond Interchange over Highway 36 for the Agri-Business Expo Center. The study included traffic counts, trip generation, traffic forecasts, capacity analysis, functional roadway and interchange design, corridor layouts, identification of drainage, right-of-way and possible wetland impacts, recommended concept, and construction budget estimates.
- *Traffic Signal Timing Update, Bettendorf, IA:* System timing plan development utilizing Synchro software for 58 signalized intersections within the downtown street system. The project included data collection, analysis, and summary report.
- *Iowa Traffic Engineering Assistance Program, Iowa DOT:* Mr. Perington, our firm's Traffic Engineering Group Director, has been an on-call traffic engineer for IDOT for over 30 years, providing assistance to communities requesting aid in determining possible solutions to traffic safety issues. Studies include traffic signal warrants, intersection geometrics, pavement marking, railroad grade crossings, traffic sign layouts, and school route studies. Funding categories applied to study outcomes – TSIP, U-STEP, C-STEP, SRTS, HES, and ICAAP.

Summary of Qualifications

Following is a summary of the Snyder & Associates Team qualifications for conducting and completing the TEAP, SRTS, and miscellaneous traffic/safety engineering services.

Factors	Snyder & Associates Qualifications
Past Performance on Similar Projects	
<ul style="list-style-type: none"> • Relevant projects involving traffic operations and safety ranging from local roads and expressway intersections to interchange ramp terminals. • Experience preparing studies or reports that clearly and concisely describe and support recommendations at a level commensurate to the audience. 	<ul style="list-style-type: none"> • Successful completion of TEAP program studies including intersection, corridor, SRTS, truck route, railroad crossing, safety, and traffic signal studies. • Successful completion of numerous traffic studies, signal design, signal timing, signing, intersection and interchange design, lighting, SRTS, and other miscellaneous projects.
Staffing Expertise	
<ul style="list-style-type: none"> • Ability to analyze, evaluate, and apply crash data to improvement concepts. • Ability to use currently accepted software programs to analyze intersection and corridor capacity, traffic signal coordination, and crash data analysis. 	<ul style="list-style-type: none"> • Extensive experience in crash data analysis and identification of trends, contributing factors, and potential solutions. • Staff expertise with traffic and crash analysis software including; Synchro, SimTraffic, HCS, HSM, VISSIM, CORSIM, SIDRA, Torus, SAVER, CMAT, and ArcView GIS software.
Commitment of Resources	
<ul style="list-style-type: none"> • Ability to allocate necessary resources in timely manner to complete studies within the desired time frame. committed 	<ul style="list-style-type: none"> • Eight full-time traffic professionals and support staff dedicated to quality, and timely completion of studies. • We are an extension of your staff and are to that effort. Our Project Director, Project Engineer and Traffic Group staff are accessible by telephone or email, and available to meet with you with minimal notice.

Key Personnel

Our primary staff will consist of Principal in Charge Shawn Duke, P.E., Traffic Group Leader Mark Perington, P.E., PTOE, and Project Engineer Andy Macias, P.E., formally a MoDOT Bridge Engineer in Jefferson City, Missouri. Other staff will be utilized from other offices as workload demands.

Mr. Shawn Duke, P.E., Principle-in-Charge

B.S. Civil Engineering, University of Kansas - 2008

B.S. Business, Baker University - 2002

Experience: 25 years

Professional Registrations: P.E. - Missouri, Kansas, Nebraska, and Iowa

Mr. Duke is a licensed Professional Engineer with over 20 years of design, construction and engineering experience. Shawn serves as the Missouri Business Unit Leader for Snyder & Associates providing team leadership, client development and project management for all Missouri projects. His experience includes project management, planning, roadway design, utility design, site design, construction administration, storm water management, water quality BMPs, ADA compliance, water main distribution systems, sanitary sewer mains and preparation of construction documents.

Mr. Mark Perington, P.E., PTOE, Project Director

B.S. Civil Engineering, Iowa State University – 1987

Experience: 36 years of traffic and transportation engineering.

Professional Registrations: P.E. – Iowa, Missouri, Nebraska, South Dakota, and Wisconsin

Professional Traffic Operations Engineer, Transportation Professional Certification Board, Inc.

Mr. Perington is Director of Snyder & Associates' Traffic Engineering Group. His work experience covers all aspects of traffic planning, engineering, and operations including traffic forecasting, trip generation, operational/capacity models and simulation, safety analysis, signing and markings, functional roadway and intersection design, signal systems, lighting systems, and ITS components. Traffic operations and safety study experience include projects ranging from small trip generation and access studies to major corridor and interchange studies in rural, suburban, and central business district metropolitan areas.

Mr. Alexander (Andy) Macias, P.E., Project Manager

B.S. Civil Engineering, University of Missouri – 1986, B.S. Geology, Northwest Missouri State University – 1983

Experience: 36 years, 24 years as a structural engineer, 2 ½ years with MoDOT Bridge Design Department

Professional Registrations: P.E. – Missouri and Iowa

Mr. Macias has a wide variety of experience in the engineering field. His specific fields of expertise include roadway and structural design, site planning, and storm water management. He has been involved with the construction of numerous roadway and bridge projects. He has worked on a variety of development projects including the preparation of various plans for intersection and traffic improvements in multiple communities across northwest Missouri and southwest Iowa. Andy was the engineer of record for the signalization design of stockyards expressway (759) and Lower Lake Road.

Accessibility

Snyder & Associates values and cultivates close communications and positive, long standing client relationships. Our clients, many of whom have enjoyed working with us since 2002, can attest to our responsiveness and attention to detail as reflected in the Company Reference Forms. We are available to provide local support from our St. Joseph, Gladstone, and Maryville, Missouri offices and offer you additional assistance from our other offices.

Sincerely,
SNYDER & ASSOCIATES, INC.



Shawn Duke, P.E.
Business Unit Leader

FIRM OVERVIEW



OUR STORY

Snyder & Associates is a multidisciplinary engineering, planning, and design firm serving clients throughout the Midwest and nationwide. An enduring philosophy of responsive, personal service tailored to individual client needs has guided us for over 40 years. As a community of problem-solvers, we excel at pioneering sustainable, efficient solutions to help our clients achieve resiliency.

REALIZING YOUR VISIONS

From historic preservation to new construction, we're committed to bringing your vision to life with creative, sustainable solutions. Through careful exploration of repair, reconstruction, and new design options, you'll have the information needed to make confident decisions. During every step of the process, we'll work to minimize your administration and coordination needs.

We're driven by possibility and take pride in our ability to guide project success.

Complex challenges and constrained resources don't break our stride—they inspire us.

2023 DATA

275+

EMPLOYEES

1,400+

PROJECTS

20+

STATE LICENSURES

95%

REPEAT BUSINESS



ENGINEERING ■ SURVEYING
PLANNING ■ DESIGN



IMPROVING THE WORLD AROUND US

At Snyder & Associates, forward-thinking, experienced people are one of our greatest strengths. They are a catalyst for positive change, pushing the boundaries of possibility to improve the communities we serve and call home. With your immediate and future needs in mind, we'll help you proactively address infrastructure challenges.

For us, it's about more than just the project at hand. It's about building long-term relationships with the people we serve and improving community quality of life.

OFFICE LOCATIONS



TRAFFIC ENGINEERING



INTERSECTION SAFETY CAPACITY IMPROVEMENTS

Cedar Rapids, IA

IMPROVING SAFETY & EFFICIENCY

We're committed to helping you create a transportation network that's user-friendly, safe, and effective for people of all ages and physical abilities, regardless of how they travel.

To improve traffic operations, we gather an understanding of the function and context of the area. Combining field review, advanced traffic analysis, and modeling tools helps us analyze intersection, interchange, and corridor traffic operations. With deficiencies identified, options to increase safety and better accommodate existing and long-range traffic demands are evaluated. Recommended improvements are developed using current best practices.

PLANNING FOR GROWTH & DEVELOPMENT

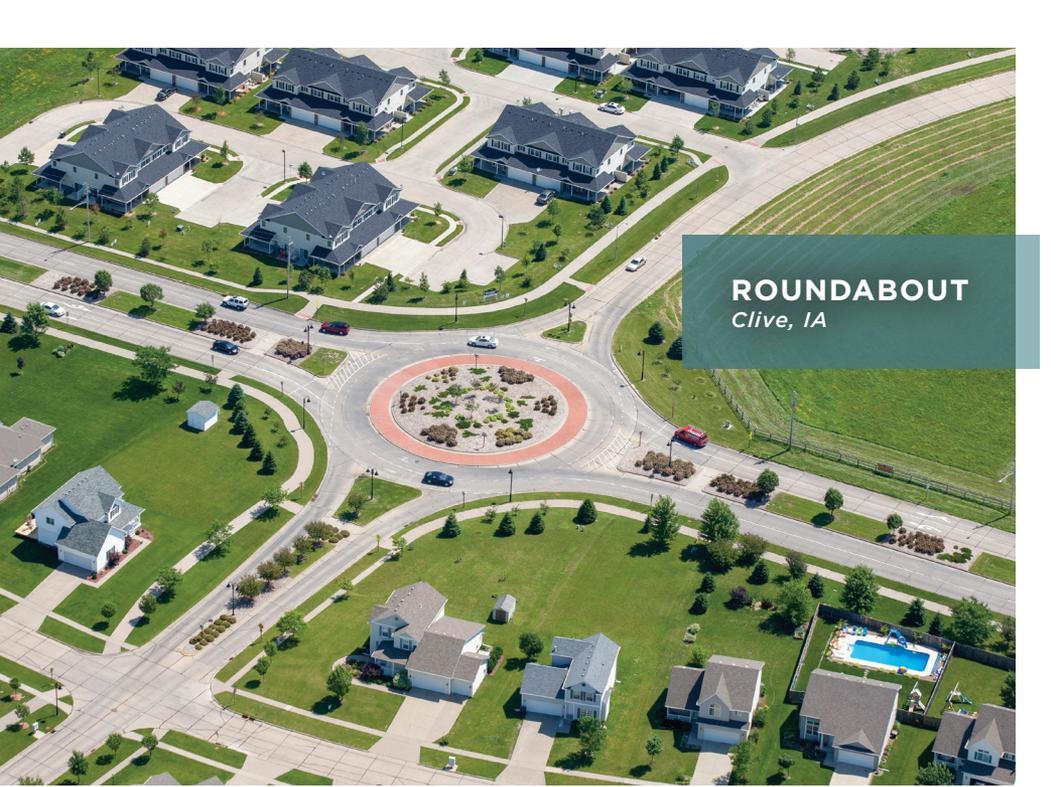
Community growth and development can affect the safety and function of transportation corridors. Based on current and projected conditions, capacity and safety improvements may include:

- Roadway widening
- Adding auxiliary turn lanes
- Bicycle/pedestrian accommodations
- Traffic signals
- Roundabouts
- Road diet conversions



TRANSPORTATION
BICYCLES & PEDESTRIANS
FREIGHT RAIL
PUBLIC TRANSIT
STREETS & HIGHWAYS
TRAFFIC ENGINEERING





ROUNDBOUT

Clive, IA

HOW WE CAN HELP

TRAFFIC & SAFETY STUDIES

A study is often the first step to plan and design transportation improvements by clearly identifying the project need, budget costs, and potential funding sources. Following analysis, we'll develop and document recommendations in a study report.

MODELING & OPTIMIZATION

Our traffic study and signal timing projects utilize traffic modeling software such as HCS, Synchro/SimTraffic, and VISSIM to evaluate and optimize traffic operations. Depending on project needs, simulation modeling may be necessary to further evaluate operations and identify improvement needs.

ROADWAY LIGHTING

Our experience includes all types of lighting, working with LED fixture retrofits, and new lighting control systems. Analysis and simulation of lighting designs are modeled utilizing software AGi32 to help demonstrate actual lighting patterns, illuminance, and dark sky concerns.

SIGNAL SYSTEMS DESIGN

We combine a deep understanding of traffic operations, safety issues, and applicable standards with knowledge of physical site constraints to design cost-effective traffic signal and control improvements.

SIGNAL TIMING & COORDINATION

From data collection through traffic modeling, timing plan development, and field implementation, we are committed to effective traffic operations.

ROUNDBOUT ANALYSIS & DESIGN

Analysis of short and long-term needs is necessary to optimize roundabout capacity and safety. Our design process includes performance checks to ensure roundabout safety benefits are achieved.

FUNDING ASSISTANCE

Utilizing years of experience, we can help identify funding opportunities, create competitive applications, and administer funding documentation.