



November 14, 2013

Mr. Kenny Voss, P.E.
Local Program Administrator
Missouri's Local Program for Community Development

RE: TRAILS AND SIDEWALKS – LETTER OF INTREST

Dear Mr. Voss:

Snyder & Associates employs over 200 professionals in nine offices in five states. Our firm offers multi-disciplinary civil engineering services which include bridges and structures, roadway, pedestrian transportation, water/wastewater, aviation, and many other civil related services.

Snyder & Associates has maintained a presence in northwest Missouri since 2002. Members of our staff have been involved with LPA funded pedestrian projects since 2005. In addition to our local experience, our projects in Iowa and Nebraska give our design team a unique perspective and alternate design solutions for difficult conditions. Our design experience includes creative, practical, and long lasting solutions which can be substantiated by contacting our past and current clients. Many of our clients utilizing the LPA funding stream have been with us since 2002, which is a testament to the level of service we provide. Our past record of performance can be verified through the attached Company Reference Forms.

Experience

Snyder & Associates and its staff have a vast amount of experience working on MoDOT administered projects and the procedures required to complete these projects. Additionally, we have the technical abilities to address ADA compliance requirements, utility issues, and other complications that can arise with these types of projects. We have designed and inspected multiple streetscapes and sidewalk projects in northwest Missouri and southwest Iowa, and feel our knowledge of the area and local requirements will be a benefit to the Local Public Agency. Snyder & Associates brings the following assets to communities and counties:

- Safe Routes to School experience
- Missouri pedestrian trail experience
- Iowa and Nebraska recreational trail experience
- Knowledge of MoDOT rules, regulations, and program requirements.
- Knowledge of current ADA regulations and requirements (All commercial and residential projects in St. Joseph, MO require sidewalks to meet current ADA standards).
- Excellent working relationships with jurisdictional agencies, MoDOT, and local contractors.

Past Performance

- *City of Burlington Junction Safe Routes to School, Burlington Junction, MO:* This project was sponsored by the Northeast Nodaway School District and connects the community with the school by

providing access with a 5-ft. wide, 4,770-ft. long sidewalk. Issues that were encountered during this project include utility, right-of-way, and steep grades.

- *Mozingo Lake Trail, Maryville, MO:* The hike and bike trail our firm designed for the Mozingo Lake recreational area consisted of a 6,059 L.F., 10-ft. wide trail and ADA crossings. This project was designed to provide a hard surface trail for campers, hikers, bicyclists, and day users.
- *Felix Streetscape Phases I and II, St. Joseph, MO:* The Felix Streetscape projects consisted of the reconstruction of sidewalks and crosswalks in downtown St. Joseph from 3rd to 10th Streets. Project constraints included continuous access to existing businesses and residences, traffic control, construction phasing and ADA compliance. The ADA compliance was critical issues especially on Phase II due to steep grades requiring unique design solutions and many ADA design exceptions. Both phases were partially funded by MoDOT Enhancement Grants.

Key Personnel

Our staff has the size and depth of experience to perform any scope of service from major to minor pedestrian facilities. Key personnel assigned to manage, administrate, and design pedestrian transportation facilities are as follows:

Mr. Alexander (Andy) Macias, P.E., Principal in Charge

Snyder & Associates, Inc.

B.S. Civil Engineering, University of Missouri Columbia – 1986

B.S. Geology, Northwest Missouri State University – 1983

Experience: 26 years, 15 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 field of expertise includes pedestrian transportation facilities, bridge structural design, urban and roadway design, site planning, and project administration. He has also been involved with construction of several hike/bike and sidewalk projects. He has worked on a variety of development projects including preparation of plans for pedestrian access facilities for many communities in northwest Missouri and southwest Iowa.

Randy Mendenhall, P.E., Project Engineer

Snyder & Associates, Inc.

B.S. Civil Engineering, University of Missouri Columbia – 2003

Experience: 10 years

Professional Registrations: P.E. – MO

Since beginning his career in 2003, Mr. Mendenhall has focused on the design and inspection of site developments, sidewalks and streetscapes, roadways, and storm water management plans. He is currently working on a variety of projects including commercial developments, hike/bike trails, Safe Routes to School, and streetscape studies and design. He has attended MoDOT ADA training and is our lead engineer for pedestrian transportation planning.

Bob Burnett, P.E., Project Manager

Snyder & Associates, Inc.

B.S. Civil Engineering, University of Missouri Columbia – 1973

Experience: 42 years, MoDOT Bridge Liaison & Maintenance Engineer, Bridge Inspector, Traffic Engineer, and Maintenance Engineer

Professional Registrations: P.E. – Missouri and Iowa

Mr. Burnett joined Snyder & Associates in 2003 after 32 years with MoDOT. He adds a vast amount of experience in roadway and maintenance, bridge inspection and repair, and traffic engineering to our team. Currently, he is in charge of Federal Aid and CDBG funded bridge and roadway projects, which include design, plan production, and environmental documentation. He handles the majority of environmental clearances (FONSI), historical, and other jurisdictional clearances required on all federal, state, or local funded projects. Mr. Burnett is also our lead engineer for pedestrian bridge structures.

Kim Goudie, Senior Technician

Snyder & Associates, Inc.

Experience: 17 years of drafting experience.

Mrs. Goudie is responsible for the preparation of engineering plans, profiles, and cross-section drawings; paving and grading plans and earthwork calculations; pedestrian transportation facilities, bridge structures, grading, and roadway detail sheets; preparation of easement legal descriptions and right-of-way documents. She has experience in Computer Aided Design and Drafting (CADD) System and Microstation.

Accessibility

Snyder & Associates always strives for close communication and a positive working relationship in order to meet our client's expectations. Our clients, many 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 and Maryville, Missouri offices and offer you additional assistance from our other offices.

Snyder & Associates appreciates your consideration and if you have any questions or need additional information please do not hesitate to contact me at (816) 364.5222.

Sincerely,

SNYDER & ASSOCIATES, INC.



Alexander Macias, P.E.

Branch Manager



Recreational Trails

Recreational trails provide children safe routes to school, add value to property, and encourage companies to establish their business nearby. Converting abandoned railroad corridors to trails can also connect communities and help them thrive. Centrally located throughout Iowa, Missouri, Nebraska, South Dakota and Wisconsin, Snyder & Associates, Inc. assists communities across the Midwest with the planning and construction of trails that have far reaching impacts. We work with you to design trail systems that establish community identity, increase economic development, revitalize urban and rural areas, and improve the quality of life for local residents.



Preserving the history within corridors that transcend the past and present is given special consideration. Snyder & Associates, Inc. is experienced in the restoration of historic bridges, platforms and scenic pathways to explore the natural environment. Our professionals excel at thinking beyond engineering by recommending low-maintenance options and integrating sustainable solutions. We have collectively designed more than 100 pedestrian bridges and over 200 miles of paved trail across 70 public improvement projects.

Services Offered

- Funding Guidance
- Public Involvement
- Comprehensive Trail Plans
- Trail Design & Construction
- Maintenance Plans
- Liability Assessments
- Trail Rehabilitation & Repair
- Pavement Management
- ADA Compliance
- Safe Routes to School
- Complete Streets (Multimodal Accommodations)
- Entrance Access & Parking
- Trail & Pedestrian Structures



SNYDER & ASSOCIATES
Engineers and Planners

1.888.964.2020
www.snyder-associates.com

Recreational Trails

Recreational Trails

Trail Planning & Economic Development

Trails serve as pedestrian transportation corridors, and can encourage businesses to expand or relocate to areas near trail systems. Snyder & Associates, Inc. partners with clients to explore the economic impact trails can have by connecting people to places of interest. Communities with well-connected trails receive name recognition in regional and national trail marketing publications, facilitating business and tourism growth.

Public Involvement & Funding

The public involvement process can be a significant undertaking whether the project is a trail proposed in an existing right-of-way, or a new trail that requires property acquisition to create a lawful route. Snyder & Associates, Inc. excels in guiding public discussions and facilitating proceedings on behalf of our clients. Our team brings together supportive groups of individuals, businesses, organizations, and agencies to create local ownership of trails. Snyder & Associates, Inc. assists clients in writing compelling, successful grant requests and offers extensive experience obtaining local, state, and federal funding for trail projects. We also offer a strong understanding of matching fund requirements to fully leverage available dollars and minimize the local funding burden.

Multi-use Trail Design & Construction

Whether you desire to develop a new multi-use trail or convert an abandoned railroad corridor, Snyder & Associates, Inc. provides a strong understanding of design specifications. We help clients address paved or gravel road crossings and various ground materials to identify the best pavement solution. Our experience includes skewed intersection realignments, railroad structure rehabilitations, and pedestrian tunnels and bridges. Much of our experience has involved trails with an average length of five miles, typically including at least one railroad structure. Shuck-Britson, Inc., our structural engineering subsidiary, assists in designing and rehabilitating existing railroad bridges and culverts with lengths ranging from 15 feet to 2,560 feet.

Pavement Management

Once a new trail has been established, it's only a matter of time before the quality of the pavement starts to break down, show signs of wear and the effects of natural elements. The longer pavement sits in need of repair, the more expensive it can be to fix. Snyder & Associates, Inc. assists clients with pavement management plans that extend trail life and maintain steady conditions. We help communities manage their investment and reduce complaints and injury claims by overseeing contracts for crack sealing, patching, pavement overlays, drainage improvements and other repairs. You can count on Snyder & Associates, Inc. to recommend the most cost-effective plan to keep maintenance at a manageable level.

Safety & Liability

Understanding your liability and the steps you can take to improve the safety of recreational enthusiasts can reduce accident claims and protect you from litigation. Snyder & Associates, Inc. assists clients with trail assessments, establishing regularly scheduled safety and maintenance checks and compliance with design criteria standards. Our professionals identify water drainage and surface condition issues, address sand, silt and other loose materials, and recommend options for improvement. Snyder & Associates, Inc. can recommend the safest design options for hills and steep grades or review the accident history and liability concerns for existing trails. We also assist clients with risk assessments and provide recommendations for adequate visibility and signage at intersections.

