



**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:

Reitz & Jens, Inc.

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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**

WORKFORCE DIVERSITY

Reitz & Jens (R&J) is committed to developing and including qualified personnel and MBE/WBEs on our teams whenever possible and strive to develop a diverse workforce as part of our growth targets. This is best demonstrated by our recent hiring practices: in the last few years, Reitz & Jens' workforce diversity has increased significantly with approximately half our current workforce being women or minorities.

GENERAL EXPERIENCE OF FIRM

Over the last 60 years R&J has provided civil engineering services on a wide variety of infrastructure projects. We have developed a reputation for providing high quality services and designs. Our reputation has led to many repeat clients and ongoing working relationships with all of the regional regulatory agencies involved with parks and recreation, open space, infrastructure, ecosystem and floodplain management.

R&J's staff has provided engineering services on parks, recreation, and trail projects since the early 1970s. This began working with the St. Louis County Parks Department on a variety of infrastructure and drainage projects in the 1970s and grew significantly in the late 1990's to include complete park developments, as well as infrastructure improvements for the Missouri State Parks and Missouri Department of Conservation. Our work with Great Rivers Greenway (GRG) began in 2006.

PAST PERFORMANCE

Our engineering services have included planning and design of site improvements and linear alignments for institutional and regulatory clients including Great Rivers Greenway (GRG) and several federal, state, and municipal governments. These projects required planning and concept development thru final design and construction documents. Typical design efforts include NEPA environmental clearance, traffic, signal and lighting, and right of way.

We have worked in both urban and rural settings, which have unique requirements for evaluation and design of stormwater control and overland flooding, particularly where they interact with streams and other sensitive ecosystems. Many past projects also included geotechnical investigations and recommendations during project design, followed by observation and quality control testing during construction. We typically team with other qualified Landscape Architects, surveyors, traffic engineers, and specialty consultants to address the unique and challenging aspects of these public improvement projects.

Federal LPA (TAP) funds were used for three (3) recent trail & sidewalk projects.

Our breadth of knowledge and capabilities will be especially valuable to LPA consumers during design, permitting, property acquisition, and construction of trails and facilities within and adjacent to creeks, streams, rivers, wetlands and other sensitive ecosystems.

Reitz & Jens was awarded an ACEC-Missouri Engineering Excellence Award for the Gravois Greenway to River des Peres Greenway project in 2022.

**Gravois Greenway: (LPA):
Grants Trail to RDP
TAP & STP: 9901 (632)
GRG, 2012-2020**



This 2+ mile extension of a multi-use trail connected Gravois Greenway (Grant's Trail) to the River des Peres Greenway. R&J provided all civil, geotechnical, and water resources engineering this 12-foot-wide paved trail, a 600-foot-long bridge over Bayless Ave, a 300-foot-long bridge over the River des Peres, a tunnel under the Weber Road on-ramp to I-55, twenty (20) retaining walls up to 13 feet high totaling over 50,000 square feet, a 260-foot-long boardwalk over a jurisdictional wetland, and other amenities. This long-awaited greenway segment connected two of the most used trails in GRG's network.

QUALIFICATIONS OF PERSONNEL

R&J’s staff includes qualified personnel with the experience and capability necessary to address all types of trail, greenway, and infrastructure projects. Our full-time staff includes registered civil, water resources, geotechnical, and structural engineers, GIS/drafting professionals, and support personnel with demonstrated experience in managing, evaluating, designing, and permitting all types of infrastructure projects. All projects are managed by senior personnel with extensive experience in the scope of services provided.

Centennial Greenway (LPA) 39 North Greenway STLEDP 2018 - 2020 GRG, 2023 – Current	Meramec Greenway Unger County Park Trail GRG, 2021 - Current
 <p>R&J was retained to plan multi-use greenways and “Open Space Framework” within the urban and industrial 39 North District, a global innovation district for plant science and agricultural technology. GRG further retained R&J to complete final design of 1.2 miles (two projects) of the Centennial Greenway which are at 50% and 70% design.</p>	 <p>As a subconsultant to DG2, R&J is leading civil engineering design services for 1.5 miles of new trail in a park setting that would connect the park to existing Meramec Greenway. A unique challenge is that the entire project is within the regulatory floodway. This project is at 90% design. GRG further retained R&J to lead civil design of a new multi-use bridge over the Meramec River.</p>

We have successfully completed more than 10,000 infrastructure, site development, stormwater, and floodplain projects over the past 50+ years. Quality has and will always remain the primary focus at R&J. We have remained small, in part, to maintain tight control on the quality of our services. The size of our firm assures that there is continuous interaction between all firm members to create a collaborative approach to solving problems throughout the design process. This also assures that senior level personnel are constantly involved and available to guide and mentor younger firm members during all phases of evaluation and design. By their structure, larger firms cannot achieve this high level of senior level input on all projects.

A general organization chart for potential LPA Trail & Sidewalk projects is as follows:

(##) = Years Experience

	Principal	QC/Peer Review
	Eric Karch, PE (27)	Eric Karch, PE (27) Jeffrey Fouse, PE (47)
Geotechnical Engineers	Civil Engineers	CAD Technician
Jeffrey Fouse, PE (47) Jeff Bertel, PE (22) Chris Cook, PE (20)	Mike Wheeler, PE (31) Armando Esquivel, PE (9) Sophie French, PE (4) Jes Vadnais, EI (4)	Matt Bearb (13)

The capabilities and experience of two key personnel who may be assigned to LPA projects are briefly discussed below, both of which completed MoDOT LPA basic training. Resumes for other key R&J personnel are included in our prequalification submittal. Additional resumes will be provided upon your request.

ERIC J. KARCH, PE, CFM is Principal-in-Charge with over 25 years experience designing and implementing trails, water resources, infrastructure and site development projects using Low Impact Design (LID) concepts. Eric will have overall responsibility for scope, schedule, and quality control. Eric has been the Project Manager for multiple trail and water resources projects for GRG and the Cities of Town & Country, St. Charles, and St. Peters Missouri. He was the Project Manager for two LPA Centennial Greenway projects, and lead water resources engineer on the LPA Gravois Greenway Grants Trail to River des Peres extension. Under R&J’s Stormwater Facilities Management Contract, Eric worked with MSD to develop guidelines for Best Management Practices to comply with stormwater regulations and completed stormwater and stream

stabilization projects throughout the District's 524 square mile boundaries. He has strong working relationships with current St. Louis District Corps of Engineers (USACE) personnel. Mr. Karch has undergraduate and master's degrees in environmental and hydrosystems engineering from Virginia Tech, is a Registered Professional Engineer in Missouri and other states, and is an ASFPM Certified Floodplain Manager.

MICHAEL JP WHEELER, P.E. is a Trail Project Manager/Engineer with experience planning and designing greenways and trails. Mike has acted in this capacity on Great Rivers Greenway (GRG) projects including the Meramec Greenway-Twelve Mile Initiative and Meramec Greenway-Lemay Ferry to Tesson Ferry Trail. Mr. Wheeler was the Lead Project Engineer for the design team that completed GRG's Grant's Trail to River des Peres extension which won the American Council of Engineering Companies 2022 Engineering Excellence Award for the State of Missouri. Mike acted in this capacity on the 39 North District Greenway planning for the St. Louis Economic Development Partnership and continuing with design and grant applications for GRG. He was also the lead civil engineer on GRG's Unger County Park Trail and two segments of the Centennial Greenway. His structural engineering background has been critical for retaining wall designs and pedestrian bridges that are required for many trail projects. Using his civil and structural engineering expertise, Mr. Wheeler completed infrastructure projects for the Missouri State Parks, Missouri National Guard, Metro Transit and several private clients. Mr. Wheeler is a Registered Professional Engineer in Missouri, having over 30 years' experience and training in greenway and trail design, stream stabilization, and stormwater management after receiving bachelor's and master's degrees in civil engineering from Washington University.

FAMILIARITY/CAPABILITY

R&J has experience providing engineering services under on-call contracts including ten (10) different IDIQ contracts with the USACE St. Louis and Tulsa Districts within the last 30 years and currently has an IDIQ with the DOI. We are also currently working on a project with the EPA Region 7 and have completed geotechnical investigations, designs, plans and specifications for projects receiving federal funding. We have a strong understanding of how to complete federal projects and proven track record of completing these projects in compliance with federal law.

R&J began working on accessible (ADA) projects in the mid-1990s with MoDOT's rest area renovations. Since then, we have continued to refine our knowledge and experience to provide projects that exceed accessibility requirements in complex environments. We maintain our familiarity with current Federal and State accessibility regulations and guidance including the Americans with Disability Act (ADA) and the Public Right-of-Way Accessibility Guidelines (PROWAG). Our trail projects follow both the American Association of State Highway and Transportation Officials (AASHTO) for Guide for the Development of Bicycle Facilities and GRG's more stringent local design guidelines.

Federal LPA (TAP) funds were used for three (3) recent trail & sidewalk projects. Each received Federal funding in the form of TAP and STP grants. R&J was the prime civil engineer for the projects and acted as Engineer of Record. We supported the LPA for grant applications, real estate acquisition under the Uniform Act, environmental reviews, ADA checklist, utility scoping checklists, railroad clearances, design exceptions, and PS&E development with Job Special Provisions.

ACCESSIBILITY

We believe our expertise, capability, and commitment to client service is why over 75% of our work comes from repeat clients. R&J's performance on past projects is evidence of our capability and commitment to respond quickly, mobilize qualified personnel, and produce quality results when required to meet project deadlines. We understand that the planning and design schedule must remain flexible to address unforeseen situations as they arise. To accomplish this, R&J uses an adaptive management approach. Our approach is predicated on anticipating and providing the right resources to the project when required, and regular communications and feedback to verify that project milestones are being met.

"Reitz and Jens is a high quality AE firm that works hard to meet their commitments to ensure customer satisfaction. I highly recommend them for future work."

David Sconyers, USACE Tulsa District



REITZ & JENS, INC.
CONSULTING ENGINEERS



60 years

of delivering intelligent, pragmatic, and high-quality solutions that help clients succeed on a wide range of planning, design, and construction projects.

Reitz & Jens is a civil engineering consulting firm located in St. Louis, Missouri uniquely qualified and experienced to provide civil engineering services with expertise in geotechnical and water resources engineering. We produce creative and technically strong solutions in a timely and professional manner to meet the challenges and goals of our clients. It is our philosophy and experience that a thorough scope of engineering services, provided by a highly qualified consultant, will substantially reduce construction costs and improve the overall project quality and sustainability.

Since our formation in 1963, the firm has completed over 10,000 projects throughout the midwest.



Specialties

At Reitz & Jens, we specialize in four key areas. Our philosophy and experience with these engineering services, while provided by highly qualified consultants, will substantially reduce the construction costs, and improve the overall project quality resulting in lower life cycle costs.

Civil Engineering

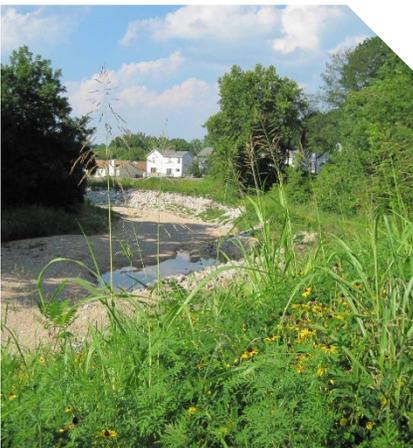
Permitting, planning and design phase services on projects requiring seamless interaction between owners, planners and designers, and geotechnical and water resource engineers. Our experience has been primarily focused in the fields of natural resources, waste management, stormwater and floodplain management



Geotechnical Engineering

Personnel combine their knowledge and experience with state-of-the-art analytical tools to evaluate, anticipate and solve difficult site conditions. Exceptionally qualified to provide geotechnical investigations, laboratory testing and engineering analysis.

In developing data to support the engineering decisions made by the firm, we have conducted over 5,000 subsurface investigations.



Stormwater

Provides sustainable and practical solutions to chronic flooding, flood protection, erosion, and storm water control at regional and neighborhood scales. We have the experienced civil engineers, hydrologists, and geomorphologists needed to assess, evaluate, model and design solutions for virtually any surface water management issue.

Construction Services

We work in partnership with our clients and other members of the construction team, providing the detailed information you need to make timely, informed decisions every step of the way. We maintain a staff of full-time Field Technicians who are experienced with the requirements and nuances of inspecting and testing all geotechnical components of the construction site.



Because of this vast experience, we are often retained by contractors to act as an advisor during construction on difficult sites.

Our Process

Quality has and will always remain the primary focus at Reitz & Jens, and we are committed to providing the highest level to our clients. Our team of project managers and quality assurance practices ensure that every project is vetted at every key stage of a project. While each team member of Reitz & Jens has unique capabilities and experience, all staff have prior design experience. This cross-pollination of experience will ensure that the designs ultimately implemented will be the result of collaboration between multiple experts.

Leadership

The Principals of Reitz & Jens have been active in the civil and geotechnical engineering fields for an average of 21 years. Our staff is organized with engineers and laboratory/field technicians with up to 40 years of hands-on experience in all aspects of the design, testing, field inspection and construction of civil engineering projects.



Jeff Bertel, PE
Principal

Education: MS Civil Engineering (Geotech)
Years' experience: 22; 19 with Reitz & Jens



Eric Karch, PE
Principal

Education: MS Civil Engineering (Water Resources)
Years' experience: 27; 18 with Reitz & Jens



Kyle Kocher, PE
Principal

Education: BS Civil Engineering
Years' experience: 26; 25 with Reitz & Jens

Our Team

We have remained small to maintain tight control on the quality of our services. The size of our firm assures that there is continuous interaction between all team members to create a collaborative approach to solving problems throughout the planning, design and construction process. Senior-level personnel are constantly involved and available to guide and mentor younger firm members during all phases of evaluation and design.

Reitz & Jens employees work across the disciplines of engineering, project management and as specialists in multiple areas to give you the expertise needed for your specific project. We will assign at least one licensed professional to each project awarded. Resumes for all Reitz & Jens personnel are available upon request.

Client List

Our reputation for high-quality services, has led to many repeat clients and ongoing working relationships that include:

- Metropolitan St. Louis Sewer District
- Cities of Creve Coeur, Ladue, St. Charles, St. Peters, O'Fallon, Maryland Heights, Town & Country, University City
- St. Louis, Tulsa and Kansas City District Corps of Engineers
- US Fish and Wildlife Service
- Great Rivers Greenway District
- Ameren Missouri and Ameren Illinois
- Missouri Department of Natural Resources – Division of State Parks
- Missouri Department of Conservation



Senior-level personnel guide younger firm members in all phases of evaluation and design.

Case Studies



Chicago to Quad Cities Passenger Rail Project

Year Completed:
2021

Client/Location:
Various; Moline, IL to Wyanet, IL

Service Area:
Geotechnical, Water Resources

This project was the design of the replacement railroad track, structures and appurtenances of the existing Iowa Interstate Railroad (IAIS) freight line track from Wyanet, Illinois to Moline, Illinois, a distance of 52 miles, for the future development of the Illinois Department of Transportation (IDOT) express passenger train service from Chicago to The Quad Cities. The speed of the freight trains on the existing track is limited to about 35 MPH. The planned speed of the express passenger trains is up to 80 MPH. This will require extensive upgrades of the bridges, culverts, track and other facilities. As subconsultant, Reitz & Jens was responsible for geotechnical and water resources engineering for proposed bridges, pipe and box culverts, building foundations, pavements, new railroad track alignment and retaining walls.



Gravois Greenway – Grants Trail to RDP

Year Completed:
2020

Client/Location:
Great Rivers Greenway District;
St. Louis City and County, MO

Service Area:
Civil, Geotechnical, Water
Resources, Construction
Services

This 2+ mile extension of a multi-use trail connects Gravois Greenway Grant's Trail from the trailhead at Orlando's to the River des Peres Greenway. Reitz & Jens provided all civil, geotechnical and water resources engineering services during planning, design and construction, acted as regulatory liaison for all civil engineering aspects of the project, and provided civil and geotechnical quality control services during construction. The project was awarded ACEC's 2022 Engineering Excellence Award. The project required evaluation of alternative alignments through fully developed areas of St. Louis City and County including residential, commercial, industrial and institutional land uses, as well as private, local and state highways, active railroads, major public utilities, and Gravois Creek and the River des Peres. Community Relations aspects included helping to organize GRG's Community Advisory Committee process, multiple public meetings as well as outreach to individual stakeholders. The project was built in three (3) phases meeting different contract and specifications formats including Phase 2 which received Federal Aid with GRG as the Local Public Agency (LPA). The project included two bridges, a tunnel, a boardwalk, over 45,000 square feet of retaining walls up to 15 feet high, water quality improvements, and geotechnical mitigations. More than half the alignment was in the MoDOT right-of-way and required additional coordination for utility relocations, approvals and licensing.

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