



**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**

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 nearly all regional regulatory agencies.

R&J provides civil and environmental permitting, planning and design phase services on projects requiring seamless interaction between owners, planners, designers, and geotechnical and water resource engineers. Our experience is primarily focused in the fields of natural resources, waste management, stormwater and floodplain management. Our structural focus includes geotechnical structures such as retaining walls, flood walls and foundations to support pre-engineered structures such as bridges and buildings. R&J’s recent institutional and regulatory clients include the St. Louis Economic Development Partnership; Great Rivers Greenway (GRG); the Missouri Department of Natural Resources - Division of State Parks; the Missouri Division of Design & Construction; St. Louis County Parks; the Metropolitan St. Louis Sewer District; Ameren; USACE; the Missouri Department of Conservation; and the Cities of Creve Coeur, Ladue, Maryland Heights, Town & Country, St. Charles, St. Peters, and O’Fallon.

PAST PERFORMANCE

Our engineering services have included planning and design of site improvements and linear alignments for clients ranging from private developers to federal agencies. A large component of these projects required the evaluation and design of methods to control both stormwater and overland flooding. Many past projects also included geotechnical investigations and recommendations during project design, followed by observation and quality control testing during construction. More recently, these unique capabilities have been combined during planning, design, and construction of a variety of infrastructure projects adjacent to streams and other sensitive ecosystems. We typically team with other qualified surveyors, structural, traffic and specialty consultants to address the unique and challenging aspects of these public improvement projects.

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



This 2+ mile extension of a multi-use trail connects Grant’s Trail from the trailhead at Orlando’s to the River des Peres Greenway. R&J 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. This project included a 600 ft bridge at Bayless Ave., a 300 ft bridge over the River des Peres, a tunnel beneath the I-55 on-ramp at Weber Ave, and over 45,000 sf of MSE walls.

<p>Autumn Lakes Stormwater Improvement Maryland Heights 2023 - Current</p>	<p>VADOT Hurtt Fabricating, 2018-2022</p>
 <p>R&J designed improvements to reduce sedimentation and improve stormwater conveyance through a roadside ditch, concrete-lined ditch and box culvert beneath I-270 at the I-70 off-ramp.</p>	 <p>R&J developed geotechnical design parameters and completed SHAFT, LPILE and GROUP analyses and structural design services for (52) drilled shaft foundations for signs along I-95, I-395, and I-64 in accordance with FHWA design criteria.</p>

QUALIFICATIONS OF PERSONNEL

R&J’s staff includes qualified personnel with the experience and capability necessary to complete civil plan development, hydraulic studies, geotechnical work, cost comparisons, environmental clearances, and right-of-way. 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.

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 Structures projects is as follows:

(##) – Years Experience



	Principal	QC/Peer Review
	Eric Karch, PE (27)	Jeffrey Fouse, PE (47)
Geotechnical Engineers	Civil Engineers	Geologists
Jeffrey Fouse, PE (47)	Eric Karch, PE (27)	Kevin Costello, RG (9)
Jeff Bertel, PE (22)	Leonard Lammert, PE, RG (41)	Rob Cummings, RG (43)
Kyle Kocher, PE (26)	Mike Wheeler, PE (31)	Brian Emuge (1)
Chris Cook, PE (20)	Armando Esquivel, PE (9)	Elliot Guenther (1)
Laura Sutton, PE (9)	Jes Vadnais, EI (4)	Engineering Technicians
Melissa Choflet, EI (8)	Sophie French, PE (4)	Jim David (28)
	CAD Technician	Jason Pruettt (24)
	Matt Bearb (13)	Andy Clark (26)
		Nigel Romious (2)

The capabilities and experience of key personnel who may be assigned to LPA projects are briefly discussed below. 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 and has over 25 years of experience designing trails, water resources, stream stabilization, site grading plans and implementing infrastructure and site development projects using Low Impact Design (LID) concepts. Eric will have overall responsibility for scope, schedule, and quality control throughout both planning and design. Eric has been the Project Manager for multiple trail, water resources and stream stabilization projects for the Cities of Town & Country, St. Charles, and St. Peters Missouri. Eric has strong managerial capabilities and working relationships with current personnel at the St. Louis District Corps of Engineers (USACE). Mr. Karch has undergraduate and master’s degrees in environmental and hydrosystems engineering from Virginia Polytechnic Institute and State University, is a Registered Professional Engineer in Missouri, Illinois, Kansas, Indiana, and Maryland; and an ASFPM Certified Floodplain Manager.

MICHAEL JP WHEELER, PE is a Project Manager/Engineer with experience planning and designing greenways and trails, site grading plans, stormwater infrastructure, retaining walls, foundations and bridges. 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. Phase 2 of that project was a Federally funded LPA project. Mike has completed MoDOT LPA basic and additional training. His structural engineering background has been critical for retaining wall designs and pedestrian bridges that are required for many transportation 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.

JEFFREY D. BERTEL, PE – is Civil/Geotechnical Project Manager and has over 20 years of experience for the planning, design and construction of infrastructure projects. Mr. Bertel has been R&J's Project Manager on many geotechnical and flood control projects within the last 10 years including our current MSD Geotechnical GSA Contract (12393), Grand Glaize WWTF Floodwall Protection (13072) project with MSD, Task Orders with the USACE Tulsa District, and Ameren. Mr. Bertel has completed designs and field investigations for a broad range of civil and geotechnical projects including stream and slope stabilization, storm and sanitary sewers, pumps stations, pavements, bridges stream and slope stabilization, dams, levees, lakes, retaining walls, landfills and foundations. Jeff has a bachelor's and master's degree in civil engineering (geotechnical emphasis), and a bachelor's degree in geology. Mr. Bertel is a Registered Professional Engineer in Missouri, Illinois, Indiana, Arkansas, Oklahoma, and Texas.

FAMILIARITY/CAPABILITY

R&J has provided engineering services under ten (10) different IDIQ contracts with the USACE St. Louis and

Tulsa Districts within the last 30 years and currently have 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 the design of temporary and permanent earth retention projects for contractors working on MoDOT projects in the early 1990's. Since then, we have continued to grow our knowledge and experience working on a variety of projects required to meet federal regulations including trails, foundations, bridges and stormwater facilities. We maintain our familiarity with current Federal and State regulations and guidance including the Americans with Disability Act (ADA), Public Right-of-Way Accessibility Guidelines (PROWAG), American Association of State Highway and Transportation Officials (AASHTO), Federal Highway Administration (FHA), USACE, Federal Emergency Management Agency (FEMA) and other relevant agencies.

Phase 2 of the Gravois Greenway – Grant's Trail to RDP trail extension project received Federal funding in the form of TAP and STP grants. R&J was the prime civil engineer for the project and acted at 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.

MO River WWTF Bridge Improvements MSD, 2024-2025



R&J was retained to design improvements to stabilize the

access bridge and the banks upstream and downstream of the bridge. To support the design of stabilization improvements completed floodplain analyses, hydraulic modeling, geotechnical analyses and erodibility evaluations. The final design includes a sheetpile grade control structure, grouting to stabilize the undermined footing, modular block wall and riprap revetments.

"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

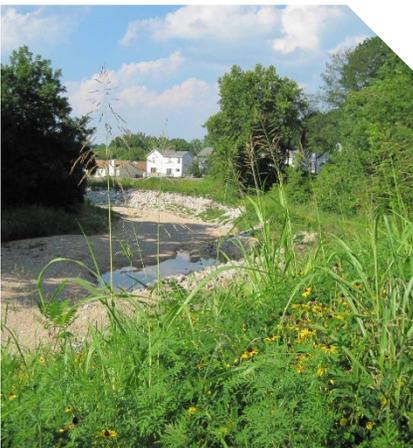
Permitting, planning and design phase services on projects requiring seamless interaction between owners, planners and designers, and geotechnical and water resource engineers. Our experience has been primarily focused in the fields of natural resources, waste management, stormwater and floodplain management



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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