



**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:

Oates Associates, Inc.

Firm Contact Name:

Michael Busch, PE, PTOE

Contact Email
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720 Olive, Suite 700

St. Louis, MO 63101

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**



Collinsville

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St. Louis

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December 12, 2025

Ashley Buechter, PE
Local Program Administrator
Re: Missouri's Local Program | Construction Inspection

Dear Ms. Buechter:

At Oates Associates, we have trained, competent staff that provides comprehensive services throughout the duration of projects, from start to finish. Our firm has routinely provided design and construction engineering services on various types of infrastructure improvement projects.

Prequalification

Oates Associates is listed on MoDOT's Approved Consultant Prequalification List.

General Experience of Firm

For 45 years, Oates Associates has provided municipal construction engineering services for a range of projects throughout local communities. We work closely with municipalities including public works, planning and zoning, parks, city councils and economic development departments. We understand that early coordination with the local agency, as well as residents and businesses who will be impacted by the project, opens the lines of communication to deliver a successful project that meets goals and exceeds expectations. Each project is treated with the same level of attention with coordination and communication beginning at the scoping meeting.

Our construction engineering services are tailored to fit our client's needs on each project. Our roles on construction projects have ranged from resident engineering and full construction observation to part-time inspection and testing to supplement the municipal staff. During the scoping meeting with our clients, the construction process and schedule is outlined and work plan is developed to identify the services that will be required on the project. This process provides an opportunity to identify the project expectations and assign tasks or services that will be completed by us and our client. We understand that budgets are more than guidelines and this early coordination establishes the roles and responsibilities of the project team to minimize the likelihood of miscommunication, misunderstandings and costly delays during construction.

Our construction engineering services include all associated activities, such as shop drawing reviews, coordination and progress meetings, resolving construction issues, construction observation and material testing. Our staff is trained and certified in various construction testing techniques including concrete, aggregates, and asphalt. Having completed construction services including inspection, staking, materials testing and utility coordination on numerous local agency projects, Oates is familiar with all required MoDOT LPA documentation. Our staff has received training and have earned the required certifications to provide construction services through MoDOT's Technician Certification Program.

Past Performance

Oates Associates has been involved with every aspect of capital improvement projects utilizing federal funds, from design through construction. We are available for full-time or limited construction engineering services, depending on the needs of the client. Summarized on the following page is a list of projects for which Oates has provided construction engineering services. The brief list of experience is intended to highlight the breadth of projects we have completed as the prime consultant. Projects range from local sidewalk projects to a \$21 million expressway expansion.

Project	Client	Funds	Description
Kirkwood Construction Observation	City of Kirkwood	Local	Construction observation for resurfacing and curb ramp upgrades around the City.
Lovella Avenue Bridge Replacement	City of Richmond Heights	STP	Removal and replacement of new bridge, roadway, sidewalk, and drainage work, design of 400 FT of storm sewer. Services included construction inspection.
Delhi Bypass - Water Main Relocation	Jersey County Rural Water Company	Local	1.5 miles of water main relocation along US 67 and Delhi Road. Construction administration and staking.
Troy O'Fallon Road / Country Lane	City of Troy	HSIP	Full depth reconstruction and widening. Construction administration and observation including show drawing review, daily diary and quantities, SWPPP inspection, traffic control inspection report, independent truck traffic weight checks, pay estimates.
Manchester Road	City of Maplewood	STP	3,400 FT resurfacing, sidewalk, curb ramps improvements, crossings. Construction administration, observation, inspection and staking.
West Union	City of Edwardsville	STP	Road resurfacing and repairs to the concrete curb and ADA compliant sidewalks. Construction administration/documentation and material testing for hot mix asphalt placement and concrete construction.
Sharpshooter's Trail	City of Highland	STP	1-mile long multi-use trail, double box culvert over Lindenthal Creek, box culvert over Laurel Branch, extension of a 3-sided box culvert. Construction administration, construction inspection and staking.
North Buchanan Street	City of Edwardsville	STP	Resurfacing with field observation, documentation, QA/QC and administration as well as shop drawing review, answering construction questions, field and lab material testing, and construction administration and management using CMMS.
FAP 310	IDOT	State	2-mile expansion of 4-lane divided expressway including bridges and box culverts. Construction inspection, supervision, layout, material testing, and record maintenance.

Qualifications of Personnel

Key personnel who will be involved in construction assignments are highlighted on the next page. They will be supported by our 80-person staff including civil and structural engineers, surveyors and technicians.

Personnel	Yrs	Title	
Mike Busch, PE, PTOE	28	PP	Municipal transportation, oversight
Tom Cissell, PE, PTOE, LEED AP	28	PP	Municipal transportation, oversight
Ben Miller, PE, ADAC	6	PM	Oversees construction, MoDOT Technician Certification
Jeff Allison, PE*	32	PM	Senior level oversight of construction
Nick Dudeck	4	CO	Field technician, MoDOT Technician Certification
Danny Gray, Jr.	4	CO	Field technician for transportation projects
Zach Aud, EI	2	CO	Field technician for transportation projects

Key: PP- project principal, PM- project manager, CO- construction observer, *IL PE

Familiarity / Capability

Oates’ primary engineering focus is transportation. The majority of our transportation projects are federally funded. Funding for our state and municipal projects has ranged from general funds to federal transportation funds, so we are familiar with a variety of design and documentation requirements by outside funding agencies. We have a thorough understanding of MoDOT and FHWA guidelines from the funding application stage through the construction / implementation process and 10 staff members have completed the LPA certification for local agency projects.

Oates’ project managers average about 20 years of experience with federal, state, and local agency roadway projects. Oates’ knowledge of the federal process has benefited our clients by providing planning, design, construction and or/reconstruction of over \$100,000,000 in construction for roadways, intersections and roundabouts, streetscapes and sidewalks, and bridges.

We have provided construction engineering services for many federally funded projects and we understand the project process. We are familiar with the guidelines established by the Local Public Agency Manual administered by MoDOT for construction documentation.

Accessibility

Our team at Oates Associates is equipped and prepared to begin work immediately while offering our commitment to the project to meet schedule requirements and deliver a quality job. Oates Associates has proven our ability to be flexible and responsive on a variety of projects for several clients. Once a schedule is set, we commit the necessary resources to complete the project within the specified timeframe. Every project is assigned a Quality Assurance / Quality Control (QA/QC) manager. The QA/QC manager meets with the project manager at intervals throughout the project to ensure successful delivery. This includes making certain that schedules are met and projects are within budget.

Oates Associates has been awarded several contracts with clients requiring roadway design and engineering services, almost all of which are repeat clients. We believe these continual relationships with our clients speak to the level of their satisfaction. We understand that your willingness to engage us on your next effort is solely based on our ability to provide quality products and great service.

Sincerely,
OATES ASSOCIATES, INC.



Michael D. Busch, PE, PTOE
 Principal



Firm Overview

Since we opened our doors 45 years ago, we have worked on projects large and small. Because of our dedication to building a capable team of engineers and technicians who are passionate about serving our community, we have built a reputation for doing great work and completing assignments on time and on budget.

From transportation to building infrastructure, Oates Associates has you covered. Our professionals are experts in their field, and are immersed in every project they take on, no matter the size. We build trusted partnerships with our clients that is based on integrity and responsiveness.

Contact Information

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45 years
OPERATING IN THE MIDWEST

80 employees
WHO ARE PART OF THE OATES FAMILY

31 engineers
WHO ARE LICENSED PROFESSIONALS

400+ bridges
DESIGNED BY OATES

1,000s of miles
OF ROADWAY & SIDEWALK IMPROVEMENTS

150+ miles
OF TRAILS

Services

Transportation Engineering

At Oates, our team of transportation engineers works with agencies, municipalities, neighborhoods and developers to creatively craft solutions and genuinely build consensus. We offer creative yet realistic solutions on a variety of scales from local street reconstructions to full development of interstate highway systems. Further, Oates is fluent in the design requirements of federally funded transportation projects, having completed over 60 federally funded roadway projects in the last five years.

- Local Streets
- Interstates and Interchanges
- Corridor / Alignment Studies
- Transportation Planning
- Intersection Design
- ADA Compliance Assessments & Design
- Storm Water Drainage Analysis & Design
- Hydraulic Studies
- Utility Coordination
- Public Coordination

Pedestrian Facilities / ADA Compliance

At Oates, we have the depth of pedestrian and bicycle facility experience to create an amenity that enhances the vehicular corridor. Our experience extends from ADA Transition Plans and bicycle master planning to facility design to construction. Many of our roadway projects involve upgrading pedestrian facilities to meet the current ADA requirements. Oates Associates understands that accessible design is a dynamic process that must be followed closely to comply with the most current design and construction guidelines and recommendations.

- ADA Transition Plans
- ADA Compliance Assessments & Design
- Streetscapes
- ADA Construction Inspection
- Pedestrian Signals
- Parking Lots



The Route Z and Interstate Drive intersection was upgraded for the City of Wentzville, Missouri by Oates, featuring dual left turn lanes, a dedicated right turn lane and two through lanes to improve traffic flow.

Trails

Our transportation services are all encompassing to create a safe passage for all users - motorists, cyclists, and pedestrians. Our staff has developed considerable experience in the design of bicycle / multi-use trails in a variety of settings, from roadway facilities to state parks to college campuses to cross-county trails on abandoned rail lines or river levees. We have designed over 150 miles of bike trails and greenways, including on-street and off-street connections.

- Bicycle Master Plans
- ADA Compliance Assessments & Design
- Multi-use Paths
- On-Road Facilities
- Recreational Trails

Traffic Engineering

We help communities develop and implement specific solutions that solve today's traffic challenges. Our staff includes 4 Professional Traffic Operations Engineers with the technical expertise in evaluating current and projected traffic conditions and executing improvements. For traffic studies, we work with the various interest groups to gather data on event-driven peaks and enlist their cooperation in developing operational solutions to meet these challenges. To complete traffic studies, our engineers are proficient in using Highway Capacity software, Synchro, VISUM, and Nu-Metrics traffic counters. We also routinely perform manual traffic counts to supplement automated counts and help evaluate turning movement patterns.

- Trip Generation Studies
- Traffic and Capacity Analysis
- Intersection & Traffic Signal Design
- Roundabouts
- Traffic Calming
- Control Warrants
- Intersection Modifications / Reconstructions



Oates partnered with the City of O'Fallon, Missouri to reconstruct and widen Weldon Spring Road. Improvements include reconstructing the roadway, improving operations by reconfiguring an intersection into a roundabout - thereby transforming the corridor into a safer and more accessible route for a growing community.



Replacement of an existing bridge in Sikeston, Missouri – Oates worked with MoDOT, SE district to replace the existing truss bridge and design a new 3-span prestressed NU girder bridge with pedestrian facilities at Business Route 63 over Two Mile Creek and BNSF Railroad.

Structural Engineering - Bridges

Our structural design staff has significant experience in bridge / box culvert design and retaining walls as well as building structures. They have designed over 400 bridges in the last 20 years, from box culverts for small stream crossings to major interstate interchange structures and from rehabilitations and replacements to new structures.

Hydraulic design for new bridges and replacements is performed in-house by experienced hydraulic engineers that are familiar with the permitting requirements outlined by the Corps of Engineers and the Department of Natural Resources. We complete the required permit documentation, such as the 404 / 401 permits as well as the "No-Rise Certification" required by the governing agencies.

- Steel Beam Bridges
- Prestressed Concrete Bridges
- Curved Girder Bridges
- Concrete Slab Bridges
- Pedestrian Bridges
- Box Culverts
- Deep Foundations
- Shallow Foundations
- Hydraulic Modeling

Stormwater

We have extensive experience in the design of stormwater management systems and NPDES permit compliance. We have successfully completed projects with a wide range of complexity and unique design features. We provide sustainable solutions and develop realistic ideas that work. When designing improvements, our engineers consider initial and long term maintenance costs as well as the impact improvements have on the drainage facilities.

- Storm Sewer Design
- Culvert Analysis
- Ditch Capacity Analysis
- Inventory & Assessment
- Hydraulic Modeling
- Sustainable Solutions



Oates Associates is working with MSD to alleviate street and yard flooding throughout St. Louis County. The above photo shows improvements for residents along Sappington Road. This is one of over 130 stormwater investigations that we have completed for MSD.

Structural Engineering - Buildings

We provide structural engineering design for a variety of buildings and building types, creatively adapting the structural components to the design. From initial grid and column spacing to the final construction drawings, our structural engineering experts assist our clients with engineering support for full facility development. We have provided structural design from new multi-million dollar facilities to building additions.

- Building Inspections
- Building Structural Systems
- Forensic Investigations
- Foundations
- Fall Protection

Site Design

Our engineers work collaboratively together with architects to create site plans and designs that are as pleasantly interactive as they are efficient. Solutions that create great community places that become part of their surroundings rather than intrude on them. We have completed site design for many buildings, for sites up to 1,500 acres, and for parking lot improvements affecting over 10,000 spaces in over 150 locations.

- Site Layout / Design
- Parking Facility Planning / Design
- Stormwater Management
- Wastewater Management
- Utility Design
- ADA Assessments & Design

Survey / Drone Operations

Survey is the cornerstone on which all successful projects are built. The surveyor's ability to accurately and efficiently collect the field data and transfer it to the design plans and/or right-of-way documents is instrumental in maintaining a project schedule. Our surveying services complement our design, right-of-way and construction inspection. Our surveyors are experienced, detailed, and provide comprehensive services including traditional survey methods and the use of aerial drones.

- Control
- Route
- Topographic
- Right-of-Way
- Hydraulic
- Aerial Drone Surveys
- ALTA
- Boundary
- Subdivision
- Construction Staking

Construction Engineering Services

Our construction engineering services are tailored to fit our client's needs on each project. Our roles on construction projects have ranged from resident engineering and full construction observation to part-time inspection and testing.

- Shop Drawing Reviews
- Coordination & Progress Meetings
- Construction Observation
- Material Testing
- Utility Coordination
- Federal Documentation