



**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:

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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**



Collinsville

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December 12, 2025

Ashley Buechter, PE
Local Program Administrator
Re: Missouri's Local Program | Trails & Sidewalks

Dear Ms. Buechter:

Municipalities are always searching for ways to better improve pedestrian accessibility throughout their community. Through developing sidewalks and trail networks, it is important to find a firm that offers complete engineering services. At Oates Associates, our staff has planned and designed numerous pedestrian facilities for communities of every size. Oates is uniquely qualified to develop new trail and sidewalk designs, reconstructions, plan rail route conversions and coordinate trail construction, with a special emphasis on both environmental and local traffic impacts.

Prequalification

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

General Experience of Firm

Oates Associates is a full service, multi-disciplinary design and planning firm. Our staff includes 31 licensed professional engineers, Professional Traffic Operations Engineers and certified ADA Coordinators to assist with any ADA design and planning needs. For 45 years, developing and implementing specific transportation solutions for local agencies has been the core of our services. 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.

A transportation system should be all encompassing and would not be complete without creating safe passages for all users. The inclusion of pedestrian and bicycle accommodations along existing vehicular corridors can create some unique challenges that can affect both vehicular capacity and safety. The design of these facilities goes beyond simply providing a dedicated surface - it must be developed by experienced design professionals to provide balance and ensure safety for all users. 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. Typical pedestrian and bicycle services that we provide include ADA compliance assessments and planning, streetscape planning and design, bicycle trail planning and design, survey, general environmental clearance permitting, public coordination, storm water design, pedestrian bridge and tunnel design, intersection and traffic signal design, utility coordination, right-of-way, aesthetic enhancements, development of construction documents and project estimates.

To enhance our design services and help convey the improvements and potential impacts to the stakeholders and the public, we also develop computer generated renderings. Rendered street level images and 3D models are effective tools to illustrate the proposed improvements to the property owners individually or to everyone at a public meeting. For complex projects, we have also used video simulations to successfully illustrate how the traffic flow is improved to ease public concerns.

Past Performance

We have an experienced team that is qualified to perform the engineering services required for a trail or sidewalk project, including planning and design, plan production, providing estimates, and assisting with bidding and construction. The brief experience on the next page is intended to highlight the breadth of projects we have completed as the prime consultant.

Project	Client	Funds	Description
Frenchtown Pedestrian Accessibility	City of St. Charles	TAP	\$1.1M - Addition of 0.25 miles of sidewalk within an existing neighborhood, bicycle climbing lane, curb ramp connections, storm facility relocation
Deer Creek Greenway	Great Rivers Greenway	CMAQ	\$6M - A 1.25 mile greenway segment that connects the existing Deer Creek Greenway through residential and business areas and Oates is also coordinating the project with our roadway project along Greenwood Blvd in Maplewood
Spanish Lake ADA Improvements	St. Louis County	Local	\$1.2M - New pedestrian truss with concrete bridge deck and new sidewalk
Wentzville Parkway Sidewalk	City of Wentzville	TAP	\$620K - 1,400 FT of new sidewalk, curb ramps, retaining walls, guardrail, and lighting
St. Vincent Greenway	Great Rivers Greenway	Local	\$5.5M - Collaboration with GRG and community, study of greenway alignment to determine best route based on user input and opportunities
McKelvey Road, Phase I & II Resurfacing & ADA Upgrades	St. Louis County	STP	\$2.9M - 2-phase 1.3 mile road resurfacing, ADA upgrades, sidewalks and signals
ADA Self Evaluation & Transition Plan	City of St. Louis	Local	\$1.5M - Assessment of pedestrian facilities and City properties in a GIS database with community engagement
Bike Lane Accommodations	City of University City	STP	\$137K - Pavement markings and signs along 12 streets totaling 4 miles of roadway
Clayton Road Sidewalks	City of Clayton	Local	\$500K - Multi-phase improvements totaling over 1 mile of sidewalk upgrades, ADA curb ramps, retaining walls
Lindbergh Sidewalk	City of Sunset Hills	STP	\$491K - ADA compliant sidewalks along both sides of Lindbergh between East Watson Rd/ Rott Rd and Eddie and Park Rd/West Watson Rd
ADA Self Evaluation & Transition Plan / Missouri State Road Shared-use Path	City of Arnold	TAP	\$800K - Assessment of sidewalks / pedestrian and bicycle routes, ADA compliance, and prioritized improvements and subsequent design of the Missouri State Road Shared Use Path
IL-157 & Schoolhouse Trail	Madison County Transit	Local	\$2.5M - Crossing evaluation at state highway and design of a 120-foot-long 12'x10' precast concrete tunnel for pedestrian safety
Lincoln Safe Routes to School Sidewalk Improvements	City of St. Charles	TAP	\$952K - 3,500 LF of new sidewalk plus repairs from ADA Transition Plan Oates developed

Qualifications of Personnel

Key personnel who will be involved in trail and sidewalk assignments are highlighted on the next page. They will be supported by our 80-person staff including civil and structural engineers, surveyors, CADD technicians and graphic/ visualization designers.

Personnel	Yrs	Title	Planning	Design	Drainage	Signals
Mike Busch, PE, PTOE	28	PP	●	●	●	●
Tom Cissell, PE, PTOE, LEED AP BD+C	28	PP	●	●	●	●
Phil Murphy, PE	40	PM	●	●	●	●
Travis Helmkamp, PE, ADAC	19	PM	●	●	●	●
Jody Shaw, PE	19	PM	●	●	●	
Stephanie Parrish, PE	10	PE	●	●	●	●
Ryan Gueldener, PE*	4	PE	●	●	●	●
Adam Hark, EI	3	PD	●	●	●	●
Abby Nissen, EI	5	PD	●	●	●	
Zach Aud, EI	2	PD	●	●	●	●

Key: PP- project principal, PM- project manager, PE- project engineer, PD- project designer, *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.

Most of our sidewalk and multi-use trail projects have involved federal funding, which necessitated significant public and environmental coordination and report preparation, all to the standards of federal guidelines. Although our scope has varied for each project, we generally have provided property and topographical survey, design and plan preparation and construction engineering services. Construction phase services include staking, materials testing, observation and 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