



**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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St. Louis

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December 12, 2025

Ashley Buechter, PE
Local Program Administrator
Re: Missouri's Local Program | Roadway Design

Dear Ms. Buechter:

For more than 45 years, Oates Associates has been dedicated to delivering innovative and practical transportation solutions that connect communities and enhance mobility. Our mission is to deliver creative yet realistic solutions that positively impact a community's quality of life - solutions that are balanced and focused on considering economic development, environmental stewardship, infrastructure impacts, social responsibility and aesthetic qualities that are present or envisioned. With a highly skilled staff specializing in planning, design, and construction, we provide the expertise and adaptability that local agency projects require. From sidewalk to trail to roadway networks and systems, Oates Associates combines creativity with technical precision to develop solutions that are both visionary and achievable.

Prequalification

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

General Experience of Firm

Oates Associates is a full service, multi-disciplinary transportation design and planning firm. Our staff includes 31 licensed professional engineers, Professional Traffic Operations Engineers and certified ADA Coordinators to assist with any ADA planning and 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.

Our team brings a strong record of delivering comprehensive transportation planning services for local agencies, with experience grounded in research, analysis, assessment, and meaningful public engagement. We routinely support communities in navigating the complexities of federally funded transportation projects, developing plans and studies that are data-driven, context-sensitive, and aligned with local and regional priorities. Our planning work includes evaluating existing conditions; estimating vehicle, bicycle, and pedestrian trips; developing conceptual road and trail networks; identifying funding opportunities; preparing planning-level cost estimates; conducting safety and capacity analyses; reviewing ADA and multimodal needs; assessing right-of-way and utility constraints; and developing improvement concepts supported by stakeholder and public input.

We have completed numerous transportation plans for communities and regional partners, ADA Transition Plans, and Bicycle and Pedestrian Master Plans. In addition to system-level planning, we conduct targeted corridor and site-specific studies that evaluate existing conditions, identify deficiencies, and develop improvement options that promote safety, accessibility, and long-term mobility. Whether supporting early-stage concept development or advancing recommendations into future project programming, we provide clear, actionable work products that help local agencies move their transportation goals forward.

To enhance our transportation planning services and clearly communicate concepts and potential impacts, we develop computer-generated renderings and visualizations. Rendered images, 3D models, and conceptual graphics serve as effective tools to illustrate potential improvements. We also utilize video simulations and animated traffic models to demonstrate anticipated changes in traffic flow, which can be especially valuable in addressing public concerns and supporting informed decision-making.

Past Performance

We have performed work throughout Missouri and Illinois for MoDOT, IDOT and other state agencies; the counties of St. Louis, St. Charles, Jefferson and Franklin; and over 50 municipalities. Within the last five years, we have completed over 60 federally funded projects, including over 30 through MoDOT and the LPA program. The brief experience below is intended to highlight the breadth of projects we have completed as the prime consultant.

Project	Client	Funds	Description
Lake Saint Louis Boulevard Concept Study	City of Lake St. Louis	Local	Concept study for the reconstruction and expansion of Lake Saint Louis Boulevard between I-64 and Highway N. Investigated potential improvements including roadway widening, alignment adjustments, future alignments, traffic signal locations, utility impacts, and right-of-way requirements
ADA Self Evaluation & Transition Plan	City of Arnold	Local	Assessment of sidewalks / pedestrian and bicycle routes, ADA compliance, and prioritized improvements, community engagement
Route 47	MoDOT, NE District	State	A conceptual study to evaluate widening and alignment options, public meeting
East Grand Avenue Multi Modal Corridor Study	Southern Illinois Metropolitan Planning Organization	Local	Study to evaluate area intersections and segments of the East Grand Avenue corridor and recommendations to eliminate pedestrian safety concerns
St. Vincent Greenway Planning Study	Great Rivers Greenway	Local	Alignment study for 1.5 miles of greenway and analysis of right-of-way; parking; traffic speeds, stoplights, crossings and bus stops; utilities; favorability of areas; and other projects that will be constructed in the area; and extensive community engagement
Alton Feasibility Study	IDOT	Local	Study to determine the feasibility of a north/south corridor to improve access to IL-255 including forecasted trips and a travel demand model
ADA Self Evaluation & Transition Plan	City of St. Louis	Local	Assessment of pedestrian facilities and City properties in a GIS database with extensive community engagement
Lake Saint Louis Boulevard / I-70 Roundabout	City of Lake St. Louis	Local	Study of roundabout options that identified conflicts, constraints, impacts, funding options, and costs and developed renderings and video simulations for the public
I-55 Corridor	Madison County	Local	Conceptual transportation corridors and costs for the predicted growth including projected traffic, development lot sizes and density, and estimated vehicle and pedestrian trips

Qualifications of Personnel

Key personnel who will be involved in planning 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	Experience
Mike Busch, PE, PTOE	28	PP	Leads transportation planning and engagement
Tom Cissell, PE, PTOE, LEED AP	28	PP	Leads transportation planning and engagement
Bentley Gedris, PE	12	PM	Planning, research, analysis, engagement, cost estimating
Stephanie Parrish, PE	10	PM	Planning, research, analysis, engagement, cost estimating
Travis Helmkamp, PE, ADAC	19	PM	Completed 19 ADA Transition Plans
Karen Geldert, PE*	34	PM	Planning, programming, engagement
Jody Shaw, PE	19	PM	Focused on bicycle and pedestrian planning projects
Roshan Pokhrel, PE, PTOE	4	PE	Provides traffic analysis and graphic support
Ryne Wirtjes, PE	6	PE	Planning and traffic analysis support
Adam Hark, EI	3	PD	Planning support
Zach Aud, EI	2	PD	Planning support
Garima Shrestha, EI	2	PD	Planning support

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 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.

We are well-versed in a variety of transportation funding sources. Our team routinely evaluates project eligibility for programs such as STP (Surface Transportation Program), STBG (Surface Transportation Block Grant), TAP (Transportation Alternatives Program), CMAQ (Congestion Mitigation and Air Quality), and HSIP (Highway Safety Improvement Program), among others. As part of our planning process, we identify viable funding pathways and outline competitive strategies to position projects for success. This knowledge allows us to help agencies pursue grants, maximize available resources, and advance their transportation priorities from concept through implementation. We have helped secure over \$75M in federal funds for our clients.

Accessibility

Our team has built a reputation for being highly responsive and attentive to the needs of the local agencies we serve. Transportation planning often involves coordination with multiple stakeholders, and we pride ourselves on maintaining clear, consistent communication throughout every phase of a project. We engage early to understand goals, constraints, and decision-making processes, and we adapt our approach as needed to keep projects moving forward.

Our team is accessible via phone and email at all times of the day. Phone calls and emails are returned the same day and meetings are typically scheduled the same day, depending on the urgency. We have demonstrated a quick response time to our clients, which has, in part, led to many 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