

## GENERAL EXPERIENCE

Olsson Associates has a proven record of successfully completing transportation projects for Local Public Agencies (LPAs) throughout the state of Missouri, and elsewhere. These projects have been wide-ranging in size, scope, and client type. We believe our project diversity and flexibility is one of our key strengths. Our extensive experience with roadway design projects makes us a perfect partner for LPAs across the state. This experience includes roadway widening and resurfacing projects, intersection geometrics, preliminary design and scoping studies, bridge designs, and complete roadway designs. Over the last three years we have completed projects in 6 of the 7 MoDOT Districts.

Olsson Associates was established in 1956 and has been serving Missouri since the mid-1990s. We currently employ over 700 professional engineers, engineers-in-training, planners, scientists, surveyors, technicians, and support staff across a platform of 24 offices including offices in Kansas City, Springfield, and Joplin. Within these local offices we have more than 30 transportation engineers, planners, and designers immediately available to work on your projects. In total, Olsson's Transportation Engineering Practice consists of more than 95 staff members dedicated to transportation projects, and the Practice is supported by additional experts in storm water, geotechnical analysis, surveying, environmental analysis, public involvement, and more. We can provide all of the services needed to complete any roadway design project.

Olsson has been fortunate to develop strong relationships with communities and LPAs over the years. These trusted relationships have provided the opportunity to provide engineering services on many LPA projects, and be selected to provide engineering services under several current On-Call Contracts. We have held On-Call Contracts with MoDOT in several categories over the last 3 years, and completed many MOUs under these contracts. We also hold more than 20 On-Call Contracts with municipalities and agencies for general engineering and transportation engineering services. We understand how to respond to and deliver these projects to meet client expectations. Often these projects are on tight schedules and require immediate responsiveness, as well as multidisciplinary coordination. Olsson understands these demands and is used to responding with a sense of urgency. We recognize that to excel as an On-Call partner, we must have a strong dedication to you as a client and a detailed understanding of your needs. We understand the importance of accessibility and responsiveness, and we pride ourselves on our client service. We believe this contributes to our rate of nearly 90% repeat clients.

41  
professional  
engineers

19  
engineer  
interns

14  
planners/  
designers

21  
technicians

## PERSONNEL

Our staff includes several individuals that have experience working directly for MoDOT prior to joining Olsson. Due to many LPA projects involving work on MoDOT ROW and all requiring compliance and coordination with MoDOT LPA staff, these individuals are key assets in our design and review process. Their experience and complete knowledge of MoDOT processes, requirements, and expectations help expedite the design and review process, and help ensure compliance with federal project requirements.

### KELLY TURNER, PE | TRANSPORTATION ENGINEER & PROJECT MANAGER

Kelly has over 9 years of transportation engineering and management experience leading and participating in design efforts for MoDOT and municipalities across the state, and within the Olsson Associates footprint. His experience includes management and design of highway and street projects for DOT's and municipalities.

Kelly's projects have included rural highway realignment and widening projects, MoDOT interchange and bridge replacement projects, railroad grade separations, arterial roadways and intersections, streetscapes, and concept studies. Through his experience, he and the Olsson team have developed a mindset of practical design solutions, and a commitment to schedule and budget.

### JAMIE FAIN, PE | TRANSPORTATION ENGINEER/PROJECT MANAGER

Jamie has 14 years of experience in the areas of transportation and civil site engineering, particularly with urban streets and intersection projects. His experience includes work in the areas of roadway, roundabout, intersection design, stormwater analysis, utility coordination, and site development. Through his work on both public- and private-sector projects, Jamie has gained experience providing designs that are both practical and community-focused.

### JON OLSEN, PE | SENIOR TRANSPORTATION ENGINEER

Jon is a senior project engineer with more than 19 years of experience in the field of transportation. His experience includes designing and managing major urban transportation projects, interchange, and expressway design. Prior to joining Olsson, Jon worked with MoDOT as a highway designer and squad leader.

"I have worked with Olsson Associates on several projects and have been very pleased with their work quality and staff. **They understand the project scope well and are very knowledgeable.** They have an experienced staff and are always very responsive to our needs. **I would highly recommend them as a leader in the transportation field.**"

Don Saiko, P.E.  
Transportation Project Manager  
MoDOT Southwest District - Springfield, MO

**TODD FREDERICKSEN, PE, PTOE | SENIOR TRAFFIC ENGINEER**

Todd provides tremendous depth of traffic engineering expertise for Olsson Associates. He has 13 years of experience in the areas of traffic and transportation engineering including traffic signal design and timing optimization, geometric layouts, pavement marking and signing, and developing traffic control and construction phasing plans.

**TOM FULTON | SENIOR TECHNICAL MANAGER**

Tom has more than 28 years of experience in the field of traffic and transportation engineering, including 12 years with MoDOT District 4. He has been involved in a variety of traffic engineering and planning studies. His responsibilities have included project management, coordination with public and private clients, preparation of detailed traffic signal plans, intersection geometric improvements, signing and marking, simulation and modeling, and safety, impact, corridor, and signal warrant studies.

**CLYDE PREM, AICP, PTP | SENIOR TRANSPORTATION PLANNER**

Clyde is the transportation planning section leader for Olsson Associates. He has more than 25 years of industry experience. Clyde has completed numerous traffic forecasting projects, Access Justification Reports, and has developed travel demand models for LPAs and MPOs across the Midwest. Clyde's team provides traffic simulation services using VISSIM and other simulation software. Clyde has led many corridor and location study projects.

**JACKIE COX | SENIOR DESIGNER**

Jackie will serve as lead designer for many of these projects. He brings more than 18 years of transportation design experience, including 16 years as a Senior Highway Designer with MoDOT. Jackie is a lead designer for multiple complex projects and understands how to utilize the practical design process for a diverse range of projects, while reducing costs.

**LARRY COLSON | QA/QC MANAGER**

Larry joined Olsson, following 38 years of MoDOT design and review experience. He will be responsible for QA/QC efforts for the design on projects to ensure sound designs, coordination of design elements, and consistency with MoDOT expectations and standards, and the standards of the governing jurisdictions.

**RANDALL KOPFF | 3D MODELING SPECIALIST**

Randall holds a Bachelor of Science in Landscape Architecture and has 11 years of professional experience that encompassed a wide variety of landscape architectural, planning, construction, and graphic services on projects throughout the United States. His technical skills include site inventory/ analysis, master planning, design development, graphic presentation, 3-D modeling, detailed drawings and construction specifications. Randall utilizes his extensive project management background to work closely with individual project representatives and the consultant team to ensure that the proper vision is achieved, throughout the design and implementation process.

**FAMILIARITY/CAPABILITY**

Olsson has successfully provided roadway engineering design services for our LPA partners on all kinds of projects from highway interchange improvements to rural roadway widening and realignment projects to intersection improvements and turn lanes. This has presented opportunities to work on projects with all kinds of funding vehicles. Our experience includes working on Cost-Share Projects for LPAs, STP projects, TIGER Grant projects, FTA, FRA, and MoDOT ROW Permit projects. Our work includes Enhancement Grants, Safe Routes to Schools, CMAQ projects, and more. These projects have special requirements at each stage of the project from scoping, to environmental review, property acquisition, and construction administration. Our technical experts are fluent in the requirements presented by each funding mechanism and the processes required for each such as to ensure compliance with federal law and ensure retention of federal funds.

Our experience with MoDOT, and our understanding of limited financial resources, has allowed us to gain an appreciation for and commitment to Practical Design. We understand the importance of a common-sense approach to engineering design, and selecting the appropriate application for each project element. We strive to implement Practical Design throughout development of our projects with the intent of minimizing the need for value engineering during construction. We believe this allows our clients and partners do make their dollars go farther, and provide better value to their customers.

**ACCESSIBILITY**

As previously discussed, Olsson has successfully provided engineering services to LPAs across the state. We pride ourselves in our commitment to client service, and we strive to develop strong relationships with communities at all levels – from leadership to technical staff. We believe this helps us gain a full and clear understanding of their needs and goals, which allows us to

"Olsson Associates has completed numerous projects for the City including streetscapes, intersection design, and traffic studies and have consistently provided the highest level of engineering design. The staff at Olsson Associates is accessible, easy to work with, responsive, and can be relied upon to provide a high quality product. **Whether it is a small project or a complex project involving many agencies, Olsson is a firm that the City of Springfield has relied on to provide excellent services.**"

Martin Gugel, PE, PTOE, Traffic Engineer  
City of Springfield, MO

better help them accomplish their goals. Our partners know that we can be counted on to be responsive and committed to their needs. Our clients know who they can call with their needs and have confidence in our ability to deliver. We believe this is further shown forth in our record of nearly 90% repeat business from our clients.

**WORK DIVERSITY**

Olsson Associates is committed to fostering, cultivating, and preserving a culture of diversity and inclusion. Our human capital is the most valuable asset we have. The collective sum of the individual differences, life experiences, knowledge, inventiveness, innovation, self-expression, unique capabilities, and talent that our employees invest in their work represents a significant part of not only our culture, but our reputation and company’s achievement as well. We embrace and encourage our employees’ differences in age, color, disability, ethnicity, family or marital status, gender identity or expression, language, national origin, physical and mental ability, political affiliation, race, religion, sexual orientation, socio-economic status, veteran status, and other characteristics that make our employees unique. Olsson Associates’ diversity initiatives are applicable – but not limited – to our practices and policies on recruitment and selection; compensation and benefits; professional development and training; promotions; transfers; social and recreational programs; layoffs; terminations; and the ongoing development of a work environment built on the premise of gender and diversity equity that encourages and enforces respectful communication and cooperation between all employees, teamwork and employee participation, permitting the representation of all groups and employee perspectives; work/life balance through flexible work schedules to accommodate employees’ varying needs; employer and employee contributions to the communities we serve to promote a greater understanding and respect for diversity.

**PAST PERFORMANCE**

The solicitation for this contract requested information regarding project experience for a variety of roadway design elements including widening, resurfacing, pavement reconstruction, utility design and coordination, right-of-way, environmental clearance, traffic signal and lighting, general lighting, surveying, sidewalks and trails, and parking lot design. Olsson’s roadway design projects are often multifaceted and require the inclusion of all or many of these elements. For ease of review, the matrix below is provided to illustrate the project experience we have with respect to the requested design elements. Further descriptions of the projects can be found in the firm brochure that accompanies this letter of interest.

Widening	Resurfacing	Pavement Reconstruction	Utility Design & Coordination	Right-of-Way	Environmental Clearance	Traffic Signals & Lighting	General Lighting	Surveying	Sidewalks and Trails	Parking Lot Design
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PROJECT	CLIENT	EXPERIENCE									
Route 65 and Battlefield Road Diverging Diamond Interchange	MoDOT	•	•	•	•	•			•	•	•
Route CC Corridor	Christian County/MoDOT	•	•	•	•	•			•	•	•
Jackson Drive from R.D. Mize to Route 78	Independence				•	•	•	•	•	•	
Rogersville Railroad Grade Separation	Rogersville/MoDOT	•		•					•		
Mercy New Hospital Roadway Improvements; 1-44 and MO 86 Interchange Modifications; Two Multi-Lane Roundabouts; and 1.5 Miles of Roadway Construction Inspection	Mercy Health Systems/MoDOT	•	•	•	•	•	•	•	•	•	•
Highway 171 and East Road-Centennial Avenue Roundabout	Webb City/MoDOT	•	•	•	•	•		•	•	•	
10th and Salt Creek Double Roundabout	Lincoln/NDOR	•		•	•	•		•	•	•	•
Woods Chapel Road	Blue Springs	•			•	•	•	•	•	•	
Nebraska Department of Roads (NDOR)   Widening/Rural Projects	NDOR	•	•	•	•	•			•		
Highway 24 and Blue Mills Road	Independence	•				•		•			
Highway 160 & Jackson Intersection Improvements	Willard/MoDOT	•	•	•	•	•		•	•	•	•
US 60 & Highway VV-B Intersection Improvements	Rogersville/MoDOT	•	•	•	•	•		•	•	•	•
Brown School Road	Boone County					•	•				
Creasey Springs Roadway	Boone County					•	•				
James River Freeway and Campbell Avenue Corridor Study	Springfield	•			•	•			•	•	
Highway 350 and Noland Road	Kansas City	•			•	•	•	•	•		
10th Street Extension and Box Culvert	Willow Springs	•	•	•	•	•	•		•	•	•
Evans Road interchange and East-West Arterial	Springfield	•	•	•	•	•		•	•	•	•
Walnut Street Phase 3 Streetscape	Springfield		•	•	•	•		•	•	•	•

# FIRM OVERVIEW

John Olsson started Olsson Associates in 1956 on the ideals of passion, innovation, and creativity. But he realized he couldn't do it alone. Working with others was critical to his success and today, that collaborative spirit is still at the core of Olsson Associates.

We know that how we work together makes the difference in the solutions we deliver. We're more than a company of individuals; we're a team of problem solvers. We see problems as opportunities for creativity. The process of finding the right answer is different for every client and every project. This idea of collaboration affects how we think, act, and work as a team. It means we're able to uncover what works best, balancing each client's unique needs along the way.

Ideal collaboration means communicating what works, what doesn't, and what might. Combining our fresh approach with our technical expertise, we're able to look at projects and our clients' needs from all angles. And, in coming up with collaborative solutions, everyone comes out ahead. We challenge ourselves to continually solve problems in new ways and, in doing so, our clients become a part of a unique process in which they've been able to realize more from their budgets and other resources.

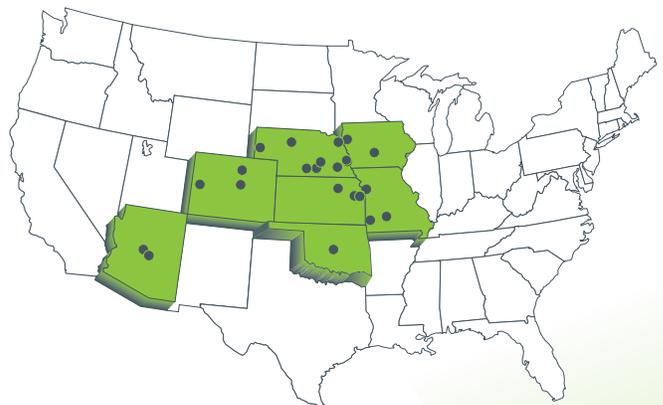
Olsson Associates offers airport consulting, automation and technology, civil engineering, community consulting, construction observation, environmental, GIS, intelligent transportation systems, land development, landscape architecture, mapping, mechanical/electrical/fire protection, power electrical, specialty lighting, structural, surveying, traffic, transportation, urban planning and design, water resources, geotechnical/materials testing, water/wastewater services.

Our firm employs more than 700 staff members, including professional engineers, engineers-in-training, registered landscape architects, registered land surveyors, professional planners and designers, scientists, and support staff made up of highly trained technical personnel with broad experience in all phases of engineering design and construction phase services.

Engineering News Record ranks Olsson Associates as one of the top 500 design firms in the United States. We attribute this to our emphasis on ideal collaboration, and we strive to see that these values become evident when you work with any of our staff. We work hard to provide excellent engineering, surveying, and sciences work to clients of all sizes throughout the United States.



Olsson Associates has 24 offices across the Midwest, including offices in Missouri, Oklahoma, Iowa, Nebraska, Colorado, Arizona, and North Dakota.



Olsson Associates’ designs go beyond meeting guidelines to provide safe and efficient roadways; we provide innovative ideas to keep projects green, on schedule, and at or under budget. Our roadway designers are responsive and proactive. We work with clients to identify areas of added benefit through communication, collaboration, and coordination. This is evident in our strong client relationships and ability to apply unique solutions to everyday problems.

Our roadway designers lead the coordination efforts with Olsson teams that provide additional services to fully address every aspect of our clients’ projects. The roadway design team creates successful and sustainable projects through close collaboration with clients, project stakeholders, and the public.

Corridor and Feasibility Studies

Conceptual Layouts

Rural and Urban Highway Design

Urban Arterial Roadway Design

Interstate and Freeway Design

Interchange Justification Reports

Interchange Design

Intersection Design

Roundabout Design

Safety Projects

Bicycle and Pedestrian Trail Design

Parking Lot Design

Public Involvement

additional services

Traffic

Transportation Planning

Right-of-Way Design

Environmental Services

Geotechnical

Water/Wastewater Design

Landscape/Streetscape

Bridge and Structures Design

Hydrology and Hydraulics

Railroad Design

Permitting

Street Lighting

Construction Phase Services

Survey

*To offer extraordinary transportation engineering services, one must combine unparalleled technical expertise with an understanding of each client’s needs and desires. By effectively demonstrating this combination of engineering and communication, we can successfully meet client expectations—no matter how small or large the project.*



## PROJECT EXPERIENCE

### MISSOURI ROUTE 86 & I-44 INTERCHANGE IMPROVEMENTS - Joplin, Missouri

As a result of the EF-5 tornado that hit the City of Joplin on May 22, 2011, Olsson Associates was hired by Mercy Health Systems to provide civil engineering design services, as well as geotechnical investigation services, environmental permitting with the U.S. Army Corps of Engineers, land surveying, special inspections and materials testing, and FEMA (NEPA) process compliance services for the new replacement hospital. The new hospital will be developed on 120 acres, with the entrances on 50th Street and Indiana Avenue, and emergency access from Highway 86/Main Street. The new hospital requires a significant amount of infrastructure improvements, including the reconstruction of the perimeter roadways of Missouri Route 86, 50th Street, Indiana Avenue, and adjacent Interstate 44 interchange.



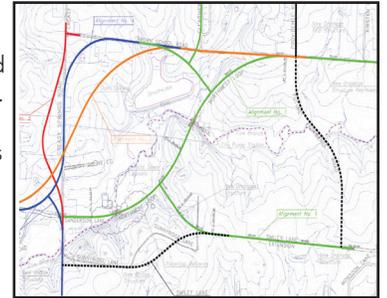
Olsson Associates provided conceptual planning, traffic analysis, and complete engineering design for roadway improvements and reconstruction related to the Mercy Health Systems Replacement Hospital. The evaluation also included an assessment of existing safety deficiencies and how those should be addressed with future reconstruction. The safety review was performed using the Highway Safety Manual and associated methodology. Due to the various governing jurisdictions (City of Joplin, MoDOT, Village of Leawood, and Village of Shoal Creek Drive), coordination was required with many stakeholders. The proximity and influence of the new hospital traffic introduced to the I-44 interchange required the preparation of an Access Justification Report (AJR) for coordination and approval with the Federal Highway Administration (FHWA). The AJR was completed with full FHWA and MoDOT approval in approximately five months. The municipal traffic impact study provided the expectations for impact and required improvements to the municipal transportation network. Nearly \$9M worth of transportation improvements were required, including the complete reconstruction of approximately 1.5 miles of city and MoDOT roadways to widen and change horizontal and vertical alignment. The project also included two new multilane roundabouts and improvements to the I-44 and MO 86 interchange. Construction of the roadway improvements is expected to be complete by January 2014.



### BROWN SCHOOL ROAD CONCEPT DESIGN - Columbia and Boone County, Missouri

Olsson Associates performed a roadway alignment and concept design study to realign a section of Brown School Road. The project involves a 6,000-foot segment of Brown School Road, from its intersection with Providence Road to the intersection of Obermiller and Creasy Spring roads. This section of re-aligned Brown School Road is also known as the Northwest Loop. The Northwest Loop is a major arterial connecting the southwest and northeast portions of the City of Columbia and Boone County, Missouri, beginning at the Interstate 70/Stadium Boulevard interchange and connecting to U.S. Highway 63 at the existing intersection with Brown School Road.

The study recommended an alignment to efficiently route the traveling public and to provide access to current and future development. The study also provided a concept - level horizontal and vertical location of the Northwest Loop that city officials, developers, and property owners can use in future planning efforts. The alignment study assessed this future section of the Northwest Loop in the context of environmental, drainage, geotechnical, private, and public considerations. It provided for a coordinated approach to integrate the resources of the City of Columbia and Boone County in establishing the route location, design criteria, access locations, and other technical criteria for this future project. The report included a summary, an environmental review, a phase one site assessment, a wetlands jurisdictional study, a traffic study, a geotechnical report, and concept design plans.



### ROGERSVILLE RAILROAD GRADE SEPARATION - Rogersville, Missouri

Under our current roadway design on-call contract, Olsson was recently selected by MoDOT to provide consulting engineering and surveying services for a new railroad grade separation in Rogersville, Missouri. The project includes the reconstruction and possible realignment of Farm Road 253 to construct a grade separation structure over the BNSF railroad line on the western edge of the town. The project also includes a new roadway to provide a connection to existing Route B and improvements to four additional existing at-grade railroad crossings to meet quiet zone standards or close the crossings. The first phase of the scope of work will include alignment identification, preliminary design, and cost estimate to develop a solid understanding of the project cost and anticipated property impacts. Olsson will provide a full spectrum of consulting services including surveying, transportation engineering design, bridge structural type/size/location engineering.

### EAST/WEST ARTERIAL: KISSICK AVE-U.S. 65 AT EVANS ROAD INTERCHANGE - Springfield, Missouri

The City of Springfield, Missouri, selected Olsson Associates to perform a number of engineering services for a new east/west arterial roadway. Olsson was retained to prepare engineering plans that define the alignment, profile, the required right-of-way, and the estimated cost of construction for a new east/west arterial from Kissick Avenue to U.S. 65, at the existing Evans Road interchange. The first phase of the project includes widening ramps, signaling the intersection, and incorporating turn lanes for approximately 1,400 linear feet of the primary arterial (new Evans Road), approximately 2,400 linear feet of the collector (new Southwood Avenue), and a new roundabout for the intersection of the two roadways. Phase I is being constructed through a public-private partnership with St. John's as part of the new orthopedic hospital project. Olsson provided all surveying, traffic and transportation engineering, water resources engineering, and right-of-way negotiation for this project. Construction was completed in Summer 2013.

**CREASEY SPRINGS ROADWAY CONCEPT DESIGN - Columbia and Boone County, Missouri**

This project involved performing a design study, preparing a concept design report, and preparing concept plans to establish preliminary horizontal and vertical alignments for a section of Creasey Springs Road. The study's aim was to develop a preliminary design, which would minimize impacts to existing development and serve as a planning tool for future development. The section of Creasey Springs Road included in the begins at a point 1,000 feet south of Bear Creek and ends at a point 500 feet north of Obermiller Road, encompassing a total of about 4,500 feet, and contains a tight horizontal curve and steep grades. The preliminary plans produced a design that straightens the alignment and brings stopping sight distance and intersection sight distance at intersections up to design speed standards. The intersections included in the study area are Prairieview Drive, Prairie Lane, future Blue Ridge Road, and Sunnyridge Lane. The study also analyzed the crossings of Bear Creek and Cow Branch Creek and preparing preliminary bridge type, size, and location sheets.

**HIGHWAY 171 AND EAST RD./CENTENNIAL AVE. ROUNDABOUT DESIGN - Webb City, Missouri**

Olsson Associates was retained to provide traffic analysis and roadway engineering design services for a new break-in-access and multilane roundabout on Highway 171 for a new intersection with East Road/Centennial Avenue in Webb City. Due to the controlled access right-of-way on Highway 171, a traffic analysis was required to both justify the break-in-access and determine the appropriate configuration of the roundabout intersection. The roadway improvements include the realignment of lanes on Highway 171, the addition of center median, the design and construction of a multilane roundabout intersection, reconstruction and extension of city streets, and the implementation of new signage and wayfinding. The design was completed with MicroStation/GeoPak in full accordance with MoDOT standards and requirements. Construction was completed in Fall 2013.

**MO HIGHWAY 160 AND JACKSON STREET INTERSECTION IMPROVEMENTS - Willard, Missouri**

The City of Willard selected Olsson Associates to perform a scoping study and final design improvements for roadway widening, new turn lanes, and a new traffic signal at the intersection of Highway 160 and Jackson Street. The city and school district partnered with MoDOT on this cost-share project to improve the long history of inadequate capacity and traffic crashes. Olsson provided transportation and traffic engineering, and surveying services for this project.



**WOODS CHAPEL ROAD - Blue Springs, Missouri**

The City of Blue Springs selected Olsson Associates as their consultant to provide full transportation engineering services for their Woods Chapel Road project. Woods Chapel Road was widened to a four-lane road, between I-70 and Duncan Road. The project also included intersection improvements, access management, and new turn lanes. The project was completed with the involvement of several stakeholders including the City of Blue Springs, the City of Independence, and MoDOT.

**24 HIGHWAY AND BLUE MILLS ROAD INTERSECTION IMPROVEMENTS - Independence, Missouri**

Olsson was selected by the City of Independence, Missouri to prepare design plans and bid documents for the intersection improvements for 24 Highway and Blue Mills Road. The project is part of two phases. During the first phase, Olsson completed a study to determine what short- and long-term improvements could be made. It was determined that the intersection green light timing on the side street was too long for efficient through traffic movements. It was also determined that changes were needed to improve left turn movements in all directions. Since 24 Highway is a MoDOT Route, MoDOT will approve and permit this city funded Local Public Agency (LPA) improvement project. Preliminary design for this project has been completed.

**VAN BRUNT AND 39TH STREET IMPROVEMENTS - Kansas City, Missouri**

Olsson Associates was hired by the City of Kansas City, Missouri, to prepare construction design, plans, and specifications for North and Southbound left-turn lanes on Van Brunt (Emanuel Cleaver II Boulevard) at the 39th Street intersection. The design included performing a traffic analysis, determining geometrics for turn lanes, reconfiguring the storm sewer, improving signals, and designing fiber optic connections. As part of this project, coordination with the city's Parks and Recreation department was important since the Emanuel Cleaver II Boulevard is part of the city's parkway and boulevard system.

**JACKSON DRIVE EXTENSION, FROM R.D. MIZE ROAD TO ROUTE 78 - Independence, Missouri**

Olsson Associates provided roadway engineering design services for the extension of Jackson Drive, from R.D. Mize through the intersection with Route 78, in Independence, Missouri. The road was constructed as a four-lane curb and gutter major-divided arterial street with a 5-foot-wide sidewalk on one side and an 8-foot-wide shared bike/pedestrian path on the other. It will have a 16-foot raised median, 100 feet of right-of-way, and a design speed of 40 mph. The project includes two drainage structures, potential retaining walls, traffic calming, and traffic signals at Route 78. This project is approximately 1.5 miles long. It also includes side streets and work at the intersection of Route 78.

