

Bartlett & West is excited about the opportunity to provide on-call professional engineering services for LPA clients in Roadway Design. Bartlett & West has extensive experience in all areas of roadway design and has worked on roadway projects for different municipalities and counties all over the state of Missouri. We provide an experienced team that is conveniently located throughout the state including Jefferson City, the St. Louis and Kansas City areas, Springfield, and Rolla. Our team is supported by staff in seventeen total offices throughout the US. We believe that Bartlett & West's experienced personnel and familiarity with all phases of roadway design, particularly with MoDOT and their Local Public Agencies (LPA) Program, make our team an ideal candidate for on-call projects.

FULL DESIGN SERVICES

One of Bartlett & West's advantages is that we offer the full range of design services that an on-call roadway project needs. We routinely handle a project from initial development of survey mapping through all stages of the design and construction administration/observation. Our survey crew employs the latest surveying technology to efficiently gather our mapping data, including robotic total stations and GPS units. This technology allows us to efficiently and accurately gather data that will become the basis of our design. Bartlett & West also owns static and mobile terrestrial LiDAR units that can be utilized to quickly gather data on a complex project in an urban environment. On each project we evaluate the best form of data collection for the site, and the intent of the design. We have utilized both LiDAR and more conventional surveying methods on recent LPA projects.

In addition to surveying and roadway design, our staff is accustomed to traffic evaluations, Americans with Disabilities Act (ADA) regulations, stormwater evaluations, hydraulic modeling, bridge designs and construction administration and observation. This allows our team to be able to tackle complex projects that feature each of these elements. In fact, Bartlett & West is currently pre-qualified as an on-call LPA consultant in each of these areas.



*Roadway and ADA reconstruction on Rudder Road
In Fenton*

ROADWAY DESIGN EXPERTISE

Our clients benefit from a Bartlett & West team that has been involved in various types of roadway projects throughout the years. We have designed dozens of roundabouts, signalized intersections, and both urban and rural corridors. Our experience ranges from reconstruction of existing intersections to new roadway alignments across previously undeveloped land. This experience makes us an ideal on-call consultant as we can tackle all types of design to help bring projects from concept to completion.

One notable LPA design project is the Route M intersection with Henry Clay Boulevard in Ashland. This project involved the reconstruction of a highly skewed all-way stop-controlled intersection with a roundabout. The City initially worked with Bartlett & West to conduct a Transportation Engineering Assistance Program (TEAP) study which reviewed potential solutions to the capacity and safety issues. A roundabout was chosen as the best alternative due to the skew of the existing roadways and the limited right

of way available to square up the intersection. The City then chose Bartlett & West to guide them through the MoDOT Cost Share process and deliver the project on schedule, designed to MoDOT's standards. Following split support from the public after initial public meetings on the project, Bartlett & West was able to modify the design to minimize concerns of the traveling public and allow the project to continue forward with construction wrapping up in 2022.

AVAILABILITY TO MEET THE DEADLINES

Bartlett & West is aware that on-call projects often have short schedules and require a quick turnaround on the deliverables. We believe that fits us well as we have been consistent in getting projects underway and have the capability to stay on schedule and meet project deadlines. We are also aware that the scheduled deadlines set by MoDOT on LPA projects are critical to keep the project moving along and not jeopardize funding. We make these deadlines a key priority on all of our projects.

The key to meeting schedules and keeping the project moving is being accessible and responsive to client needs. This is truly a focus for the employee-owners at Bartlett & West. We work closely with our clients to keep their projects moving toward construction and respond quickly when issues arise. For instance, we worked closely with the City of Russellville on an easement for the Safe Routes to School project



*Roadway Realignment and Triple Box Culvert
In St. Charles County*

that put the project schedule and entire construction in jeopardy. One property owner would not sign an easement. Bartlett & West responded by working through several requests from the property owner and multiple on-site meetings. We were able to obtain an easement that allowed the project to move forward and have the work in front of the school constructed prior to the start of classes. Similarly, on a transportation enhancement project in California, we assisted the City, which was having trouble meeting the project schedule, by taking on all the easement acquisition work and meeting with individual property owners.

PROJECT TEAM

Our team features several project managers that are accustomed to delivering projects for LPAs under the MoDOT process. **Neil Brady, PE, Scott Komarek, PE, Dillon Feely, PE, Robby Miles, PE, Bryan Gregory, PE, and Austin Johnson, PE** have extensive experience on LPA and roadway projects to help keep projects on track and on schedule. **Don Wichern, PE** will serve as a key client contact to assure that the project goals are kept in focus at all times. Each of these managers knows what MoDOT expects and will lead the team to deliver a quality project on schedule.

At Bartlett & West, we are proud of our on-time performance when clients call. We also pride ourselves for understanding clients' needs, being accessible and responsive, displaying integrity and providing proactive communication. We will provide LPAs and their partner agencies with a quality product, on-time and on-budget.



*Compacted Concrete Pavement placement on Holt
Street in Mexico*



RELEVANT PROJECTS

East Prospect Street Improvements, City of Cameron

This project entailed replacing 1,400 ft of a major collector in the City of Cameron to include full-depth asphalt lanes, curb and gutter, and an enclosed storm sewer system, as well as improving three intersections. Bartlett & West provided full survey, design, all construction contract administration, on-site inspection and testing, materials certification review, daily diaries and contract documentation, change order processing, pay requests, and final contract documents.

Contact

Tad Wilson

Director of Public Works
660.707.5227



Rudder Road, City of Fenton

This project designed a roadway reconstruction for approximately 1/2 mile of Rudder Road in the heart of Fenton's industrial park. The project replaced curb and gutter and roadway pavement for the entire length. It also added ADA-compliant sidewalk on the south side of the roadway. Bartlett & West's design services included topographic and boundary surveys, all design phases required by the LPA manual, hosting a public meeting, environmental and permitting, right of way document preparation, and utility coordination

Contact

Dan Howard

Public Works Director
636.349.8155



Zumbehl & Ipswich Intersection Improvements, City of St. Charles

Bartlett & West designed a signalized intersection, including turn lanes, widening turning radii, and ADA improvements. During a preliminary field check, Bartlett & West identified that many vehicles scraped on the pavement for the school entrance on the east leg of the intersection. In coordination with the City and school, funding was identified and the entrance was replaced.

Contact

Jonathan Swagman, PE

Project Manager
636.255.6157



Tanner Bridge Road and Bridge Replacement, Cole County

Bartlett & West provided full-service engineering design for the reconstruction of a 0.4-mile segment of Tanner Bridge Road. The existing roadway was not designed to handle the route's current average daily traffic (ADT). The improvements include widening to 12' lanes, asphalt shoulders, and guardrail upgrades. Substantial vertical and horizontal curvature changes improve sight distance. This section is adjacent to a bridge, which was also designed for replacement by Bartlett & West.

Contact

Eric Landwehr

Public Works Director
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horizontal curvature changes improve sight distance. This section is adjacent to a bridge, which was also designed for replacement by Bartlett & West.

East Holt Street Improvements, City of Mexico

Through a FHWA Technology and Innovation Deployment Program (TIDP) grant, the City of Mexico was able to reconstruct 1,500 ft of E. Holt Street

Contact

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with compacted concrete pavement. Other improvements included drainage, curb and gutter, sidewalk, driveways, and side street connections. Bartlett & West provided grant assistance, full survey, easement acquisition, design, and construction contract administration and observation.

