



**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)

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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**

Bartlett & West is excited about the opportunity to provide on-call professional engineering services in the Traffic Engineering & TEAP category. We have extensive experience with traffic studies, safety studies, road safety audits, traffic modeling, lighting analysis, traffic control analysis, construction phasing, signing and striping review, and a broad range of traffic-related evaluations. Our traffic studies have included both corridor and intersection analysis, with a strong emphasis on safety, operational, and capacity improvements. Bartlett & West offers a knowledgeable and experienced team, deeply familiar with traffic engineering services for MoDOT and the municipalities and counties participating in the Local Public Agency (LPA) Programs. We look forward to continuing our role as a trusted partner for LPAs, helping to address traffic-related challenges that benefit communities well into the future.

IMPROVING SAFETY

One effective method of improving roadway safety is through strategic modifications of access points to reduce vehicle conflicts. In Northwest Missouri, Bartlett & West reviewed crash data, signing and striping, and roadway geometrics along MO Hwy 10 in the City of Excelsior Springs as part of a roadway safety analysis. An existing conditions report was developed, which included vehicle crash diagrams to identify patterns of safety concerns that could be addressed with low-cost solutions or used in future planning for larger improvements in the area.

A Road Safety Audit (RSA) for Bus Loop 70 highlights our ongoing commitment to safety. As a part of the RSA team, Bartlett & West is actively supporting the RSA process by preparing exhibits and assisting in review activities. We are also contributing to traffic and safety analyses to ensure a comprehensive evaluation of existing conditions and potential improvements. Working closely with multiple agencies and local stakeholders, the audit team is considering countermeasures such as improved signage, targeted pavement markings, intersection modifications, and speed management strategies. These efforts will lead to actionable recommendations aimed at reducing crash frequency and severity, enhancing driver and pedestrian awareness, and promoting safer travel.



Access Management Improvement for Bus 70 RSA

IMPROVING OPERATIONS & CAPACITY

The Henry Clay Boulevard Traffic Study analyzed two closely spaced, congested intersections in the City of Ashland. The study analyzed the existing lane configuration and considered alternative intersection layouts. A construction cost estimate was provided for the proposed option to aid the City in prioritizing future funding of the improvements. The alternative layouts included a single 5-leg roundabout, a dual roundabout with one at each intersection, a dog-bone style dual roundabout, a traffic signal, and an improved stop-controlled intersection option. The 5-leg roundabout option was recommended as the preferred alternative because it would provide the city with a solution which handles both short-term and long-term capacity needs for the growing community.

Bartlett & West assisted the City of Cameron with a traffic study at the intersection of Bob Griffin Road and Highway 36 that went out to bid this fall. We were tasked with investigating operational and safety improvements at a signalized intersection that provides access from the state highway to several businesses on the east side of the city. Traffic crash data and geometric configurations were reviewed to develop a solution that the City could implement in the near future. Recommended improvements included equipment upgrades at the signalized intersection, including steel poles and mast arms for the signals, high-visibility retroreflective back plates, additional roadway lighting, extended turn lanes, right-turn islands, and an interactive vehicle detection and warning system for the high-speed approach to the signals.

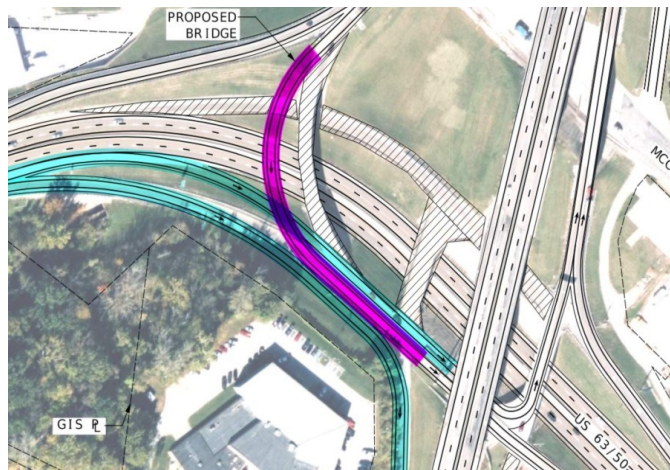
SCHEDULE TO MEET DEADLINES

Bartlett & West understands that on-call projects often have short schedules and require quick turnaround on deliverables. Our team is well suited to meet these demands, consistently initiating projects, staying on schedule, and meeting project deadlines. We recognize that the deadlines set by MoDOT for LPA projects are critical to maintaining project momentum and not jeopardizing funding, and we make these deadlines a top priority on every project.

Our commitment to meeting deadlines is exemplified by a traffic study conducted for Lincoln County. During the development of a MoDOT cost-share application to construct an outer road along Route 61, it became clear that a traffic study was needed to identify future traffic impacts to nearby intersections. With just over a month before the application deadline, Bartlett & West committed to completing the study in less than thirty days to avoid any delays. We analyzed anticipated changes in traffic patterns to determine effects on turning movement volumes at the study intersections, particularly the two signalized intersections at the nearby Route C interchange. Using Synchro traffic simulation software, we compared level of service, vehicle delay, and queue lengths for existing and proposed conditions. Our study provided recommendations for permanent traffic control at the new intersections created by the outer road, and we delivered the study in three weeks, allowing the County ample time to incorporate it into the cost share application.

OTHER STUDIES

In addition to traffic analyses, Bartlett & West provides speed studies, speed limit reviews, sight distance evaluations, and intersection traffic control analyses. Currently, our team is leading a study for the City of Jefferson to identify options for improving safety and operations at the Rex Whitton Expressway and the Tri-Level interchange of US Highways 50, 54, and 63. This location presents unique challenges due to its proximity to the Missouri River, downtown Jefferson City, and surrounding historical and governmental developments. To complement operational and capacity improvements, we also conducted a Road Safety Audit (RSA) to recommend targeted safety enhancements.



Tri-Level Concept Study Alternative

TEAP EXPERIENCE

Bartlett & West completes numerous Traffic Engineering Assistance Program (TEAP) studies each year, helping Missouri communities make informed, data-driven decisions on traffic operations and safety. Our work spans corridor evaluations, intersection analyses, and policy development. A notable example is the City of Fulton TEAP, where we researched and authored guidelines for citywide public works policies, including speed-limit setting, lane width standards, pavement marking, parking, and pedestrian beacon placement. These efforts provide municipalities, like Fulton, with clear, practical frameworks to ensure consistency and transparency in transportation decisions.

PROJECT TEAM

Bartlett & West's traffic engineering team is strategically located across Missouri to serve the needs of LPAs and MoDOT statewide. Led by **Jason Sommerer, PE, PTOE**, and **Patrick Skain, PE, PTOE**, both former MoDOT Central District Traffic engineers, our team brings extensive transportation experience and a design approach that prioritizes safety, operations, and long-term roadway performance. With engineers in Kansas City, St. Louis, Springfield, and central Missouri, supported by resources across the Midwest, we deliver responsive service and innovative solutions for complex transportation challenges. Our expertise includes traffic analysis software such as Synchro/SimTraffic, Sidra, and Vissim; standards including the MUTCD, Highway Safety Manual, and ITE Trip Generation Manual; and crash data analysis using MoDOT's Data Zone system. Bartlett & West has a proven track record of delivering high-quality, timely results for LPA partners statewide.



