

November 15, 2013

Mary Ann Jacobs
105 W. Capitol, P.O. Box 270
Jefferson City, MO 65102

Re: LPA On-Call Professional Services—Construction Inspection

Dear Selection Committee:

Bartlett & West is excited about the opportunity to provide on-call professional engineering services in the **Construction Inspection** category. Bartlett & West has conducted construction inspection and materials testing for several years with both the Kansas and North Dakota Departments of Transportation as well as several Local Public Agencies (LPA's) that use federal funds. Bartlett & West can bring great strength in the areas of experience, past performance, flexibility and proximity to any location within the state.

Experience and Competence

Bartlett & West provides construction staking, field construction inspection and coordination, materials testing and construction administration on a regular basis as part of our firm's expertise, which covers several Midwest states from Texas to North Dakota and thirteen offices. Two of our offices are located in Missouri, one in Lee's Summit and one in Jefferson City. Both are staffed with surveyors and field technicians who serve our LPA clients, both county and municipal, for a variety of design projects that typically range from water projects that include waterline and tanks, to sanitary projects that include manholes, lift stations and treatment plants, to road and bridge projects that range from concrete and bituminous surfaces to structures such as box culverts and bridges.

Bartlett & West sends its field technicians to Linn State Technical College to be certified as MoDOT technicians. Key to Bartlett & West's field testing on sidewalks is keeping meticulous records of each test as to the day, location, time, weather, contractor's operations and results. Our field technicians act in the interest of our MoDOT and LPA clients with attention to testing results compared to MoDOT's specifications. Graduated buckets are used to add water loads in order to keep track of the true water-cement ratio. Air-entrainment equipment is kept clean and calibrated to deliver accurate results. Cylinders are left untouched for 24 hours and then carefully moved to a certified MoDOT approved testing facility where they are bedded in a controlled humidified environment to insure that our clients have accurate test results after seven and twenty-eight days.

Bartlett & West serves Kansas and North Dakota in many different capacities during a highway construction project including construction staking, soil and aggregate testing and concrete pavement testing. In addition, in Missouri during 2012 and 2013, Bartlett & West inspected sidewalks and provided field testing and construction administration for the Cities of California, Stockton and Russellville on MoDOT LPA projects.



Humboldt Type B Air Entrainment,
Slump Cone and
Single Use Concrete Cylinder
Molds.

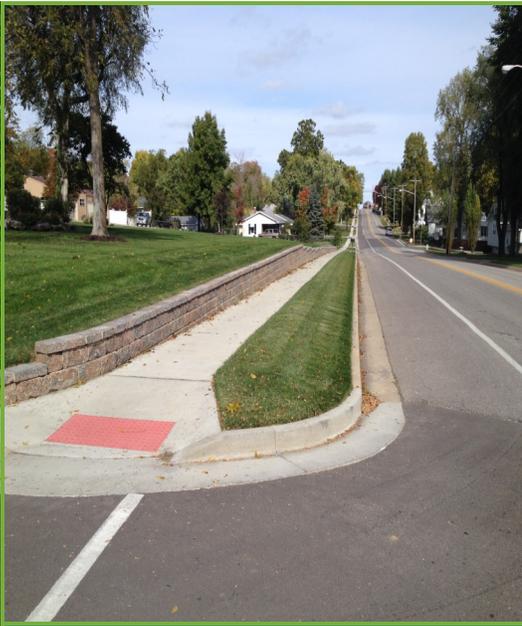


Kyle Eggen conducts an on-site slump test on a sidewalk project in Russellville.

Meeting Schedules and Being Accessible

Bartlett & West is aware that on-call projects often have short schedules and require a quick turnaround on the deliverables, and we believe that fits us well as we have been consistent in getting projects under way and the capability to stay on schedule and meet project deadlines. We are also aware that the scheduled deadlines set by MoDOT for 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.

Part of 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 that put the project schedule and entire construction in jeopardy. One property owner would not sign a very minor easement due to past issues with the City. Bartlett & West responded by working through several requests from the property owner and multiple on-site meetings, and we finally 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, who was having trouble meeting the project schedule, by taking on all the easement acquisition work and meeting with individual property owners.



City of California (Highway 87)
Bartlett & West provided field
testing and construction administration for
sidewalk, curb & gutter,

Project Team

Herb Bailey, PE served as Project Manager for our MoDOT LPA sidewalk project for the City of Stockton. Herb has over 40 years of highway experience, both with MoDOT as well as with Bartlett & West. For Stockton, Herb handled correspondence and communication between the contractor, the City and MoDOT. Herb spent his first 15 years with MoDOT as a construction inspector in the Northwest District from 1969 until 1984, during the original construction of I-29 through Holt and Atchison County.

As a consultant, Herb has provided construction administration services for numerous BRO and STP projects in MoDOT's LPA program, from supervising on-site concrete testing for bridges and sidewalks to contacting testing labs and handling delivery of cylinders as well as the review and distribution of reports.

Bob Gilbert, PE is the Location Manager for our Jefferson City office. Bob also was the project manager for our MoDOT LPA projects for the City of California and the City of Russellville. Bob worked with the MoDOT LPA personnel in the Central District throughout the design and construction of the California and Russellville sidewalks, providing administration duties such as materials certification, payment estimates, reimbursement assistance and final documentation.

Assisting Bob and Herb in the field during construction of our 2012 and 2013 MoDOT LPA projects was **Kyle Eggen**. Kyle took MoDOT certification training at Linn State Technical College and is MoDOT certified in concrete field testing, concrete strength testing, aggregate testing including sieve analysis and bituminous testing including running specific gravity and calculating density.

Dustin Kaiser, PLS is also located in our Jefferson City and provided the original survey and mapping for the City of California, City of Stockton and City of Russellville, and was called out to set stakes for right of way negotiation in Stockton. Dustin will have access up to 6 fully-equipped crews available from our offices in Jefferson City, Lee's Summit, Des Moines or Topeka, whichever would be the most efficient for any location within the state. **Gary Davis, PE**, is a trained geotechnical engineer and has abundant experience with soil density and materials testing. Gary will be available for construction administration duties as well. **Keith Kempker, Buster Schrage, Tim Leaf, Kevin Wittman, and Matt Backstrom** round out our staff who have experience on construction projects and all are conveniently located in our Jefferson City office. Matt Backstrom is also a skilled MoDOT MicroStation technician who can provide as-built final plans or go into the field and do the construction staking. Matt, along with Kyle Eggen, are National Association of Coating Engineers (NACE) certified inspectors, which relates to steel surface preparation and coatings system inspections, and spent the summer of 2013 in that capacity.

LPA Process

Our staff frequently works on both MoDOT and LPA projects administered by MoDOT. This experience of working for MoDOT directly and on their LPA projects, such as Safe Routes to School and Transportation Enhancement projects, allows Bartlett & West to be able to stay on schedule in this complex environment by knowing what submittals MoDOT requires and what their staff expects on each deliverable. We also have a familiarity with the administrative paperwork that is required to help the LPA meet MoDOT requirements and complete the project. Three of our engineers, **Bob Gilbert, Todd Kempker** and **Herb Bailey**, have attended the MoDOT/FHWA Basic Training for LPA Projects and are certified. Bob Gilbert also served on the statewide LPA Strategic Vision Team.

Summary

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 MoDOT and their partner agencies with a quality product, on-time and on-budget.

Sincerely,

Herbert R. Bailey, P.E.
Project Manager

Bob Gilbert, PE
Location Manager

Dustin Kaiser, PLS
Survey Manager

Relevant Projects



LPA Sidewalk Improvement Project—City of Stockton

The city received a Transportation Enhancement (TE) grant to build an 8' multipurpose trail connecting the middle school with the local high school and parallel Route 39, approximately 3,000' in length. The project called for the consultant to provide air and slump tests and cylinder testing on concrete used during construction and administer the project according to MoDOT's LPA Manual.



Contact

Patty Thompson
Mayor
417.276.5210

Role Performed by Key Personnel

Herb Bailey, PE
Project Manager

Dustin Kaiser, PLS
Survey Manager

Tracy Ash
Engineering Technician

Kyle Eggen
MoDOT Certified Technician



LPA Sidewalk Improvement Project—City of California

The City of California received a Transportation Enhancement (TE) grant to construct sidewalk along Highway 87 from Lake Street to Business 50, a length of approximately 2,700'. The project also included curb and gutter, drainage, retaining walls, signal modifications, and a trail in the City's Proctor Park. Bartlett & West provided full survey, easement acquisition, design, and construction administration and observation services per MoDOT LPA Manual.



Contact

Kyle Wirts
City Superintendent
573.796.2500

Role Performed by Key Personnel

Bob Gilbert PE
Project Manager

Dustin Kaiser, PLS
Survey Manager

Todd Kempker, PE
Project Engineer

Kyle Eggen
MoDOT Certified Technician



LPA Sidewalk Improvement—SRTS Project, City of Russellville

The City of Russellville received a Safe Routes to School (SRTS) grant to build a sidewalk on several local streets and also on Route C (MoDOT R/W). The project's length is approximately 2,000 feet. The project also involved curb and gutter and drainage, as well as flashing signals and streetlights. Bartlett & West provided full survey, easement acquisition, design, and construction administration and observation services per MoDOT LPA Manual.



Contact

Karen Platter
City Clerk
573.782.3511

Role Performed by Key Personnel

Bob Gilbert, PE
Project Manager

Dustin Kaiser, PLS
Survey Manager

Todd Kempker, PE
Project Engineer

Kyle Eggen
MoDOT Certified Technician

Bartlett & West

PURSUING INNOVATION, DEVELOPING ENGINEERING AND TECHNOLOGY SOLUTIONS, AND STRENGTHENING OUR COMMUNITIES TOGETHER.



Our employee-owners deliver

engineering and technology solutions to a wide range of public and private clients and have since we opened our doors in 1951. How can Bartlett & West and you solve your challenges together?

With a portfolio of professional solutions—from engineering to landscape architecture, from GIS to information management, from field services to sustainable development—our people bring a total perspective to our clients' challenges.

Everyone at Bartlett & West is committed to giving our clients world-class service and work to deliver our clients' service *and* solutions. We know what our clients want. We asked them. They're looking for clear understanding of their needs. They value accessibility and responsiveness, integrity, quality and proactive communication from their professional services partners. These are values our employee-owners practice every day.

Our firm has grown steadily from a small two-person partnership in 1951 into the current multi-disciplined firm of over 350. A rich mix of professional, technical, administrative and support staff provides professional services to governmental agencies, municipalities, private industry and individual clients. Year after year, Bartlett & West is ranked among the top design firms by industry trade publication ENR (Engineering News-Record).

Our Purpose

To lead our communities to a better tomorrow.

Our Values

Earning Trust—through doing what is right even when doing so is difficult.

Delivering Quality—through pride in our work and an attitude of continuous improvement.

Serving Others—through caring for our clients, our community, and each other.

Crafting
engineering
and
technology
solutions
together

Our clients access the full range of Bartlett & West services through our fully-integrated network of offices. Through this network of resources, each office is empowered to deliver engineering and technology solutions to meet our clients' needs.

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866.869.8035 - 817.306.1980
Contact: Allan Pickering

Energy Industry

Bartlett & West professionals serve the energy industry with a deep toolbox of solutions.

- Pipeline routing and design
- Facility & site design and planning
- Topographic, property, and legal surveys
- As-built surveying and recordation
- Easement and land acquisition services
- Water intake, distribution, and storage design
- Water treatment plants and pump station design
- Waste water disposal
- Construction observation & inspection/testing
- GIS based data management
- Regulatory and permitting services
- Environmental compliance

GIS & Information Management

Our information specialists deliver a full range of spatial technology services to exacting standards.

- Geographic Information Systems (GIS) needs assessment, development & implementation
- Web hosting
- Application development
- Map, data and document integration
- Map plotting & production
- Document imaging
- Data loading and reconciliation

Landscape Architecture

Bartlett & West landscape architects enhance the built environment.

- Land use master planning
- Parks, trails & greenways
- Environmentally sensitive design
- Streetscapes and plazas
- Healing gardens & rain gardens
- Planting selection and irrigation design
- 3-D color renderings and animation
- LEED Accredited Professionals
- Public information programs
- Design charrettes & group consensus building

Mechanical, Electrical & Plumbing Design

The MEP professionals at Bartlett & West deliver a broad spectrum of building services. .

- Plumbing design: waste, vent, water compressed air piping
- HVAC design
- Lighting design: building, roadway, parking lot, landscape lighting

- Power distribution design
- Emergency power generation
- Uninterrupted power systems
- Utility power design
- LEED Accredited Professionals

Rail Services

Bartlett & West rail experts provide a wide range of services to their clients.

- Full-service engineering
- Design/Build
- Positive Train Control data/change management
- Track chart automation
- Enterprise GIS/application development
- Real estate GIS implementation
- Property acquisition
- LiDAR for design, as-builts, and clearances
- Mobile application development
- Construction management

Right-of-Way

Bartlett & West provides support to all our client sectors with sophisticated, proprietary technology and systems to manage survey permissions, easements, land acquisitions, permitting, and records management.

- GIS database of projects
- Existing right-of-way, plat and title research
- Environmental impact studies
- Easement negotiation
- Lease/option agreements negotiation
- Land purchase negotiation
- Land owner research and meetings
- Acquisition documents
- Strip maps
- Construction staking
- Project/exhibit map preparation
- Site locations
- Taxation records
- Vesting deeds
- Survey permissions

Roads & Highways

Our transportation engineers provide safety and efficiency for the motoring public.

- Corridor studies
- Road and highway design
- Interchanges and roundabouts
- Traffic signal improvements
- Stormwater management
- Bridge structural analysis and design
- Hydraulic and hydrologic modeling
- Traffic control analysis
- Right-of-way and legal descriptions
- Landscape architectural design and erosion control
- Pedestrian and bicycle path design

- Lighting
- Construction sequencing
- Public information programs

Site Planning

Our site specialists support developers, architects, businesses, and institutions in navigating planning, zoning, permitting, drainage, paving, and building considerations of a particular location.

- Land use planning
- Platting
- Zoning and permitting
- Feasibility studies
- Drainage studies
- Site plans
- Grading design
- Utilities design and coordination
- Traffic impact analysis
- Construction administration
- LEED Accredited Professionals

Stormwater Management

We work with the natural environment to reduce erosion and maintain water quality.

- Watershed studies
- Drainage design
- Hydraulic and hydrologic modeling
- Flood control
- Channel stabilization
- Environmentally sensitive solutions
- LEED Accredited Professionals

Strategic Planning

Bartlett & West planning professionals use a unique strategic planning process to help clients identify and achieve their future vision.

- Proprietary electronic planning tool
- Detailed SWOT analysis
- Success driver orientation
- Focused gap analysis
- Proven visioning process
- Fully engaged planning team
- Practical, actionable plan

Structural Engineering

Providing the necessary analysis and design to support their client's vision is the goal of our structural experts.

- Structural investigations and reports
- Commercial/industrial/educational/institutional design
- Specialty structures and historical renovations
- Concrete, steel, wood, and aluminum structures

Survey & Construction Observation

Field professionals supply their clients with critical survey data and construction observation services.

- Surveys
- Geographic Information Systems (GIS) and Global Positioning System (GPS) services
- Platting and Construction staking
- Field construction observation and coordination
- Materials testing
- Construction administration
- Utilities coordination
- Construction quality control services

Sustainable Design

Bartlett & West LEED Accredited Professionals are meeting today's needs while conserving for tomorrow.

- LEED Accredited Professionals
- Livable communities planning
- Lifecycle analysis
- Energy-efficient design
- Green infrastructure design
- Sustainability reporting
- Public information programs

Wastewater Collection & Treatment

Bartlett & West wastewater experts help communities as well as industries protect the environment and manage their water quality.

- Wastewater studies
- System planning and facilities design
- Sewers and pump stations
- Treatment plants
- Residuals management
- Regulatory compliance strategies and Permitting
- Public information programs

Water Supply, Treatment & Distribution

Bartlett & West water specialists help communities provide the basic building block of life.

- Municipal, regional, rural and wholesale systems
- Preliminary, feasibility, and design reports
- Rate analysis, studies, reports and funding application aid
- Short- and long-range system planning
- Regulatory compliance strategies and planning
- Water source—well, intake, purchase contracts
- Water treatment design and operational analysis
- System analysis, design, and modeling including piping, pump stations, controls, and storage
- Construction phase engineering services
- Federal, state and local permitting