In business since 1968 (then Buescher Frankenberg Associates), BFA is a Civil Engineering Consulting firm with full capabilities in surveying (traditional and GPS), AutoCAD Civil 3D drafting, Civil Site Design (grading, utilities, parking, drainage, stormwater, and permitting). Professional Engineering licenses in 30 states – Professional Land Surveying Licenses in 5 states – Nationwide credentials for Certified Professionals in Erosion and Sediment Control (CPESC) and Certified Floodplain Managers (CFM).

LPA CONSTRUCTION INSPECTION QUALIFICATIONS/CREDENTIALS

- MoDOT LPA Basic Training Certifications
- MoDOT Financial Pre-Qualification Listing
- Missouri Registered Professional Engineers (PE)
- Missouri Registered Professional Land Surveyors (PLS)
- Certified Professionals in Erosion and Sediment Control (CPESC)

CONSTRUCTION INSPECTION SERVICES

- Assistance with drafting and gaining approval of MoDOT’s required Engineering Services Contract
- Coordination of Materials Testing Services (BFA will sub materials testing to DBE or others)
- Assist or provide Pre-Construction Meetings, Change Orders, Approval of Pay Applications, etc.
- Maintaining Daily Diary and Pay Items Diary (including storing daily progress photos)
- Weekly and Monthly Progress Reports
- Bulletin Board Inspections, Wage Interviews, Commercially Useful Function/DBE Interviews
- Erosion and Sediment Control Inspections
- Semi-Final and Final Inspections
- Assistance with Close-Out Documentation (Final Change Order, Final Cost Estimate, Final Lien Waiver from Prime Contractor, Final Lien Waivers from Subcontractors, Project Certification Letter, and Project Acceptance Letter

ESC Inspection

Pipe Installation

ADA Inspection

Asphalt Placement
LPA PROJECT EXAMPLES

Franklin County MO – Circle Drive Bridge Replacement - 2016 - STP-5489(606)
The purpose of this project is to remove and replace a structurally deficient, functionally obsolete road bridge which crosses a railroad line in Franklin County, near Robertsville. BFA’s scope of services for this project includes site topographic survey; roadway plan design; coordination of structural bridge design; communicating with railroad authorities for design approval and agreements; obtaining permits; developing cost estimates; project management; and construction management.

Franklin County MO - Labadie Great Streets Project - 2013 - STP-5489(605)
BFA provided Construction Engineering and Inspection Services for this project (that was designed by another engineering firm). The initial peer review of the proposed bid set found errors and conflicts, as well as missing design items. Through addendums and meetings with project stakeholders, modifications to the plans were made and approved prior to the start of construction. During construction, BFA provided monitoring and maintained the daily diary and pay diary logs as required for LPA projects. Daily photo logs were kept, as well as wage interviews, erosion inspection reports, bulletin board inspections, commercially useful function interviews, and other documentation, as required for LPA projects.

“I wanted to take a few minutes to express my appreciation for BFA’s work in providing the construction engineering services for the Labadie Great Streets project. Franklin County has many projects going on at this time and because of your thoroughness and efforts to keep us informed, we were able to reduce our staff time monitoring this project. Not only do we feel the project was monitored to make sure the plans and specifications were followed, but we also appreciate the “extra” conversations to make sure those involved were on the same page, and the County’s overall goals and desires for the project were kept in focus. We have been pleased with the work and because of your efforts to document progress and communicate, we are confident the County’s best interests were protected. Thanks again – we look forward to more projects with BFA in the future.”

-Joe Feldmann, (Former) County Engineer
– Franklin County Highway Dept.
**LPA PROJECT EXAMPLES**

**Chamois MO - Safe Routes to School Project - 2010 - SRTS-INF-H283(107)**

We have recently completed a Safe Routes to School (SRTS) Project in Chamois, MO. BFA provided contract documentation, specification binders, construction cost estimates, and associated reports required by this type of project, as well as approved plan sheets.

In March of 2008 the City of Chamois submitted an application for funding of a Safe Routes to School project. The application/project was granted funding in March of 2010. BFA was selected as the most qualified engineering firm to complete the project. Design and planning started in September 2010 and the final plans were completed in June 2011. The project includes approximately 2,000 lineal feet of concrete sidewalk, 6 pedestrian crossings, and miscellaneous storm drainage improvements. Field work, engineering design and neighborhood meetings, helped the project thru the approval stages.

Coordination with the Missouri Department of Transportation and understanding the steps outlined by the Federal Highway Administration for the Safe Routes to School program, are key factors in keeping these types of projects on track and within budget. The knowledge and understanding BFA has with these projects can reduce community official’s time spent on the project. Knowing that the consultant you hired will take care of the work needing to be done, allows community officials to focus on other priorities.

**New Haven MO – Safe Routes to School - 2015 - SRTS-INF-H32F(101)**

BFA provided engineering services to develop plans, specifications, and estimates (PSE) for a Safe Routes to School project to construct 1200’ of sidewalk for the City of New Haven. This project was designed in 2014 and constructed in 2015. BFA provided Design Engineering and Construction Engineering services for this successful project.

![Chamosi MO Safe Routes to School - Before Photos](image1)

![Chamosi MO Safe Routes to School - After Photos](image2)

![New Haven MO Safe Routes to School - Before Photos](image3)

![New Haven MO Safe Routes to School - After Photos](image4)
LPA PROJECT EXAMPLES

Washington MO – Bieker Road Improvements - 2009 - ARRA-ES06(008)

BFA worked with the Washington Special Road District (WSRD) to prepare design plans and provide Construction Inspection/Engineering for this roadway improvement/overlay project. This project consists of a 1.2 mile stretch of a two-lane highway known as Bieker Road, which is located immediately south of the Washington, MO city limits. The improvements along this route primarily include resurfacing and restriping of the highway along with storm water drainage infrastructure improvements to address runoff erosion to downstream property owners.

BFA monitored construction and maintained receipts for the project in order to track the construction budget and justify approval of pay applications.

Jefferson Street Bridge – Washington MO (Completed Summer 2016) BRM6405 (605)

BFA was selected to handle construction engineering for this bridge replacement project in the heart of Washington MO.

Interesting requirements for this project include ADA upgrades to the signalized intersection which exist immediately at the north end of the existing bridge structure and hydrologic/hydraulic calculations for permitting approvals in a tight stream corridor with recently updated FEMA flood elevations.

BFA’s responsibilities include land surveying, Right-of-Way plans, permitting, LPA contract management, assembling bid documents and specifications, as well as overall project coordination/management to incorporate updated approaches and improvements to the signalized intersection and crosswalks. Structural Engineers from Jacobs handled the layout and design of the bridge structure, itself.