

THE FIRM



DBE

Missouri DOT
Kansas DOT

SLBE and DWBE

City of Kansas City, MO

WBE

State of Missouri
Unified Government of
Wyandotte County and
Kansas City, KS

VSM Engineering, LLC (VSM) is a professional civil engineering service firm providing services for capital projects to clients in the public and private sectors. VSM is a **certified DBE, WBE, SLBE firm** with more than 20 years of experience on capital projects. VSM has experience with on-call engineering contracts and has worked alongside MoDOT and local city staff providing services on projects of all sizes.

The diverse backgrounds of VSM employees provides decades of experience that will benefit your local agency and its projects. VSM is a growing team of civil engineers, utility coordinators and support staff. Our water resource engineers are qualified to perform FIRM, CLOMR, LOMR, site flood studies, amongst others. Additionally, our staff hold a number of certifications, including but not limited to, Certified Floodplain Manager (CFM), Qualified Compliance Inspector of Stormwater (QCIS), Qualified Preparer of Stormwater Pollution Prevention Plans (SWPPP), and Envision Sustainability Professional (ENV SP).

Typical services include planning, design, analysis, construction plans, and construction management for infrastructure projects. Project categories include:

- Park & Recreation Facilities
- Municipal Transportation
- Site Design & Development
- Parking Lots
- Stormwater Analysis & Design
- Stormwater Management & Erosion Control
- Utility Coordination
- Water Line Design
- Sanitary Sewer Design
- Construction Management
- Constructability Reviews
- Specifications
- Quality Control Reviews

What this means to you. Due to its size, VSM is as a small, mobile firm adept in responding to last-minute requests and project changes with prompt service and attention to detail.

The VSM team has more than 15 years of completed projects within Missouri including stormwater, sanitary sewer and roadway projects. From project inception through the design and completion phases of engineering, our team is seamlessly integrated. **With years of experience and successful working relationships, we are poised to provide the ultimate suite of services to your local agency.**



PROJECT EXPERIENCE

Interchange at Tiffany Springs Parkway and I-29 | Kansas City, MO

VSM provided **utility coordination services** for this project cooperative which included the KCI TIF Advisory Commission, MoDOT, the City of Kansas City, MO, and Platte County, MO. A standard Diamond Interchange was converted into a Diverging Diamond Interchange (DDI) and ramp water mains were relocated. VSM worked with local power, water, sanitary, sewer, telephone, fiber, telecom, and gas utilities to configure the best relocations for the redesigned interchange. The team's final plans were turned in ahead of MoDOT's schedule.

Parvin Road Rehabilitation |

Kansas City, MO

Design engineer for the **secondary arterial street rehabilitation** of Parvin Road from Skiles Avenue to Kentucky Street. The project included 3,600 LF of four-lane arterial with curb and gutter.



Interim County Engineer | Platte County, MO

VSM held the on-call contract for various bridge and roadway projects and served as **Interim County Engineer in 2013**. Services included, development plan review, and stormwater study review. Selected projects include **construction management** of the following bridge projects: Duncan Road Bridge Replacement, Humphrey's Access Bridge Replacement, and Spring Street Bridge replacement.

Red Bridge Road over the Blue River | Kansas City, MO

VSM provided **utility relocation coordination** for the widening of Red Bridge Road for approximately 3.1 miles from Holmes Road to Blue River Road. The project included the replacement of a 1,000 LF bridge over the Blue River and selected intersection improvements.



SLBE Ward Parkway Channel Renovation and Bank Stabilization | Kansas City, MO

VSM completed preliminary and final plans, **404 permit application, updated the FEMA model and completed the FEMA flood permit application** to repair and stabilize the slope for this channel renovation and bank stabilization project.

Merrimac Street Rehabilitation Project | Riverside, MO

Design engineer and project manager for 400 LF of residential **street rehabilitation** including widening, curb and gutter and pavement improvements and retaining wall.

City of Kansas City, MO Experience

Years	Type of Services	Department	Description
2014-2019	Water line replacements, relocation and upgrades	Public Works, Water Services	Engineering design, utility and agency coordination for water main replacements and water line replacements, relocation and upgrades.
2014-2019	Utility Coordination	Capital Projects, Parks & Rec, Public Works, Water Services	Utility coordination for more than 30 projects, including working with power, water, sanitary sewer, telephone, fiber, telecom, and gas utilities to work out the best relocations.
2010-2011	Utility Coordination Engineer	Public Works	VSM Engineering served as the Utility Coordination Engineer.

Kansas City Streetcar Stormwater Pollution Prevention Plan (SWPPP) Inspections & Training

| Kansas City, MO

Preparation of the SWPPP for the Kansas City Streetcar Construction Project which covered a variety of construction sites and stormwater protection issues along the 2.2-mile corridor. VSM **trained local inspectors to properly conduct**

weekly SWPPP inspections. Throughout 2014, VSM **conducted audits** of the SWPPP inspections and completed all of the weekly and rainfall SWPPP inspections beginning in 2015.



Hydraulic Profile Analyses for Wastewater Treatment Plants | Kansas City, MO

Hydraulic calculations for the treated Effluent Disinfection Study for Westside, Birmingham, Blue River, Todd Creek, and Rocky Branch wastewater treatment plants.

On-Call Experience

- **SLBE Design Professional Services Contract for Open-End Stormwater Projects** | Water Services Department, City of Kansas City, MO
- **Design Professional Services Contract for Open-End Stormwater Projects** | Water Services Department, City of Kansas City, MO*
- **Platte County Interim Engineer** | Platte County, MO
- **Construction Management Services IDIQ** | City of Kansas City, MO*
- **Design Professional Services Contract for Open-End Services** | Public Works Department, City of Kansas City, MO*

**Services provided as a subconsultant*

PAST PERFORMANCE

VSM Engineering truly practices what we preach in our work and as we respond to our client’s needs. We keep our client’s informed throughout the project and if an issue arises, we don’t hesitate to share the details and solutions for a resolution. But don’t just take our word for it...

In addition to the LPA reference forms provided, here’s what a few of our clients had to say.

I-29 and Tiffany Springs Parkway Interchange Improvements

“VSM lead the utility coordination efforts for this project and they did an excellent job of organizing the meetings, communicating project goals and keeping the utility companies engaged in the relocation efforts... I am unaware of any significant utility conflicts during construction. I would eagerly engage VSM on similar projects in the future. Their work is outstanding.”

– Todd Thalman, TranSystems

KCMO Utility Manual for Capital Projects

“The work that VSM Engineering performed of the Utility Manual was well thought out and complete.”

– Ralph Davis, City of Kansas City, Public Works Department

Barry Road, East of I-29 to Ambassador Drive | Green Hills Road and Tiffany Springs Parkway Intersection | Polo Drive Improvements

“Truth is that Val is the best utility coordinator that I worked with. She knows all of the utility reps, planners and designers. There is a mutual trust which is obvious to see at meetings. Very thorough.”

– Caprice James, KCI TIF / MD Management

Record of Past Performance

VSM strives for excellence while understanding the need to meet your goals and stay within the budget. We assess our past performance by how many of our clients hire us again. We are proud to say that **VSM has more than 85% repeat clients.**



Contact

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