



HOLISTIC INFRASTRUCTURE SOLUTIONS

# MOVING COMMUNITIES FORWARD.

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## About Affinis

Affinis is a civil engineering firm **focused on building long-lasting relationships with co-workers, clients, and colleagues.** Established in 2001, we are known as problem-solvers who provide solutions using a holistic, intuitive approach that starts by listening to our clients' expectations. We learn about their specific concerns and challenges. We then follow up to deliver solid solutions by leveraging our expertise and experience. Our focus is on how we can make lives easier and, finally, we celebrate their success.

Our co-workers are the key to our success. **Each one strives to live out our five core values.** Their energy and enthusiasm drive the service we give to our clients. Their hard work continues to deliver quality designs and engineering services time and again.

## Our Services

### STORMWATER

When designing stormwater solutions, we look at the entire site. Our comprehensive approach **maximizes budgets and minimizes disruptions** to residents, streamlining future improvements.

### SURVEY/UAS

Our forward-thinking survey team uses a combination of **new technology and proven methods** to deliver accurate data to our clients. This allows them to fully capture the existing conditions of a project site and understand which elements should be included in every survey.

### RAILROAD

Our experienced railroad engineering team attends trainings and obtains certifications to increase safety on site. **We use this continuous education and our past experiences to complete projects quickly and efficiently.**

### TRAFFIC

Developing concepts and analyzing alternatives is something we do well. Our traffic engineers are skilled at collecting data and then, using that information to **improve capacity and increase safety** on our roadways.



### ROADWAY ENGINEERING

Our roadway engineering group moves communities forward. Whether designing residential streets, thoroughfares, or highways, we are focused on **improving quality of life, supporting economic development, and increasing safety.**



### STRUCTURAL

Our structural engineering group is invested in protecting communities with reliable infrastructure. With each project, **we work to reduce risk and create a resilient structure, protecting our clients' investments and the surrounding area.**



### CONSTRUCTION ENGINEERING

Communication, collaboration, and transparency are the keys to our construction engineering approach. By focusing on forming long-lasting relationships, we are able to **anticipate obstacles and find effective solutions for our clients and partners.**

## Core Values

SERVANT LEADERSHIP

EXCELLENCE

TRUSTWORTHINESS

BALANCE

COLLABORATION

**You have a responsibility to support economic development, increase safety, and improve quality of life for your community. Whether you are tackling a residential street or a highway, we help consider the entire site, selecting strategies that cause the least amount of disruption and are the most cost-effective.**





## Past Projects

Affinis offers full civil engineering, construction, and consulting services. Working as an extension of your staff, we engineer solutions that are cost-effective and constructible. With a dedicated and knowledgeable team, we're skilled at tackling a wide-range of projects. After a quick look at our portfolio, you'll discover why the majority of our work comes from repeat business.



### **ROUTE AA STREET IMPROVEMENTS**

Affinis designed approximately 2,200 feet of improvements to Route AA (Main Street) from Eagles Parkway to Walnut Street. The funding for the project is a combination of cost-share funds, a Sustainable Places grant, federal Transportation Enhancement (TE) funds, MoDOT, and city funds. With the inclusion of the federal funds and the Sustainable Places grant, the project is being designed following the Mid-America Regional Council's (MARC) Complete Street policy which focuses on designing roadways for safe and convenient travel for all modes of transportation.



### **JEFFERSON PEDESTRIAN WALKWAY**

The City of Harrisonville received Missouri Surface Transportation funds to provide pedestrian connectivity along Jefferson Parkway to the Harrisonville Community Center. Jefferson Parkway is a two-lane roadway with open ditches. This project constructed sidewalk along Jefferson Parkway from just north of Locust Street to the Harrisonville Community Center. Through the majority of the project, the sidewalk was constructed within the existing right-of-way on the other side of the ditch using sidewalk curb where needed for utilities or slopes.



### **WARD ROAD**

The City of Lee's Summit retained Affinis to design the improvements to Ward Road from County Line Road to Raintree Parkway. The existing asphalt roadway had earth shoulders between Raintree Parkway and Fenwick Drive and was an im-proved section between Fenwick Drive and County Line Road. The roadway was reconstructed to a 2- to 3-lane section. A 10-foot concrete trail on the west side and a 5-foot concrete sidewalk on the east side were constructed for the full project length.



### **LIBERTY DRIVE IMPROVEMENTS**

Affinis designed improvements to Liberty Drive from South Ridge Avenue to West Mill Street. The city used Federal STP funding and the project was administered through Missouri Department of Transportation's (MoDOT) Local Public Agency (LPA) program. The project involved reconstructing and milling and overlaying the pavement; adding or replacing curb and gutter; adding or replacing sidewalk; installation of an enclosed storm sewer system; upgrading the water main and ser-vices; and replacing and rehabilitating sanitary sewer lines and services.



### **METCALF 99TH-103RD BRIDGE**

This project widened Metcalf Avenue between 99th Street and 103rd Street from 4- to 6-lanes, adding capacity by matching the 6-lane sections already in place both north and south of the project. Additionally, the existing pavement was milled and overlaid between 103rd Street and I-435. The project also improved storm drainage and replaced two bridges over Indian Creek.



## Markets

We have built a diverse client base of public entities as well as several private enterprises. Our efforts mainly focus on serving cities, counties, state organizations, the federal government, schools and railroads. Whether we're designing a new roadway, inspecting a levee or surveying a property, our talented team is committed to delivering solutions that move communities forward.



### CITY

We take great pride in building long-lasting relationships with municipalities and supporting their efforts to spur economic development and increase safety. We approach each project looking at the entire site, working to find a solution that is budget-conscious and creates the least amount of disruption.



### SCHOOL

When completing projects, schools are responsible for communicating effectively with students and families. Our team has experience sharing complex engineering designs with communities like yours. Let us augment your busy staff and provide the external expertise needed to navigate your civil engineering projects.



### STATE

Affinis has worked with state organizations since our founding. We have seen how increasing capacity can improve safety and drive growth. Discover how we can support your economic goals with our collaborative approach.



### COUNTY

Our team enjoys sharing their technical knowledge with counties. Our first-hand experience and connections with cities, utilities, and federal agencies can help make your project run smoothly. Let us leverage our work experience and network to supplement your team.



### FEDERAL

Through strategic partnerships, our small business can expand to meet your needs. Whether we are self-executing civil engineering work or teaming with another organization, we understand the processes and standards you expect.

The nature of on-call design work is to be ready when services are required and Affinis is committed to responding quickly to an LPA's design needs wherever they are across Missouri.

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