



**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)

Firm's Full Legal  
Name:

Civil Design, Inc.

Firm Contact Name:

Jason Schreckenber, PE, SE

Contact Email  
Address:

jschreckenber@civildesigninc.com

Firm's Mailing Address:

5220 Oakland Avenue

St. Louis, MO 63110

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**

Ashley Buechter, PE  
Local Program Administrator

**RE: On-Call Professional Services - Structures**

Ms. Buechter,

**Overview** | At CDI, we strive to help our clients create quality infrastructure while also contributing positively to our communities. Our culture is centered around a fundamental commitment to **Building Stronger Communities**, meaning our team of passionate individuals is dedicated to revitalizing the spaces that contribute to our daily lives. Since its founding in 1996, our team has grown to over 150 team members with six locations, six service lines, and nearly 40 licensed professionals. Our experience lends us the ability to generate innovative solutions to project challenges, and we believe our expertise lends us the insight needed to further the infrastructure goals of municipalities and build stronger communities throughout the State of Missouri.

**Interdisciplinary Approach** | CDI is a multi-disciplined civil engineering firm offering civil site, structural, transportation, land surveying, and GIS services, with services separated into six primary service lines: Infrastructure + Analytics, Site, **Structures**, Survey, Transportation, and Water Resources. Our service lines leverage each other's knowledge and expertise, implementing quality control measures, enabling unique solutions, and ultimately ensuring optimal project outcomes for our clients.

## GENERAL EXPERIENCE OF FIRM

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**Our Structures Team** | CDI understands the complexities and nuances of the construction and design process. Our Structures team routinely employs their extensive expertise to help realize the most direct and proven project solutions, often reducing project costs. From a project's inception through its completion, our team ensures each project phase is executed in a safe, cost-effective, and timely manner.

## PAST PERFORMANCE

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### **I-44 over Jefferson Avenue (Eastbound & Westbound)**

St. Louis, MO | Services: Structural Engineering, Construction Documents

Contact: Michele Atkinson, Structural Liaison Engineer, MoDOT, 573-522-2371



CDI provided Structural Engineering services for the bridge replacement project of the twin bridges on I-44 over Jefferson Avenue for the Missouri Department of Transportation in the City of St. Louis. The structural scope of work included the preliminary bridge layout to accommodate a cost-saving shorter-span structure by utilizing mechanical stabilized earth (MSE) retaining walls and a long-span steel plate girder. The bridge was designed to accommodate a future rail line along the centerline of Jefferson Avenue. A sliding slab was used at the fixed end of the bridge and an expansion joint was used at the expansion end. While integral end bents are typically utilized for a bridge of this size and type, the expansion end and sliding slab allow for a future bridge raise with limited rehabilitation required. The MSE walls accounted for the future grade raise within the design requirements provided on the plans.

### **Route Y over Little Indian Creek**

Cape Girardeau County, MO | Services: Structural Engineering

Contact: Jerilyn Hassard, PE, SE, Modjeski and Masters Project Manager, 618-659-9102

CDI completed the hydraulic analysis, roadway design and bridge design for the Route Y bridge over Little Indian Creek. The existing bridge was replaced with a 107-foot single-span NU girder bridge supported by piling at each end bent. Seismic details were included.

### Route C over Drainage Ditch 6

Pemiscot County, MO | Services: Structural, Roadway & Hydraulic Engineering

Contact: Donna Philpot, PE MoDOT Transportation Project Manager, 573-258-0544

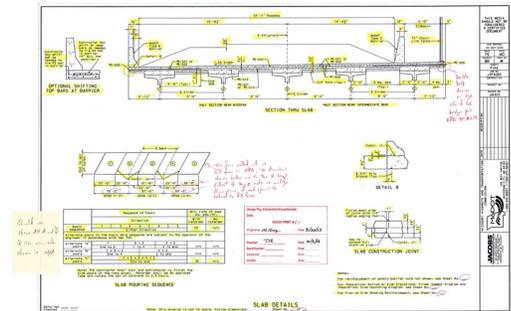
CDI completed the hydraulic analysis, roadway and bridge design for the Route C bridge over Drainage Ditch 6. The existing bridge was replaced with a 45-foot single-span prestressed concrete spread box beam bridge supported by piling at each end bent. A reinforced concrete box culvert was planned; however, the drainage district changed their mind, so CDI had to quickly redesign the project.

### Route 79 Bridge Replacements

Pike County, MO | Services: Structural Engineering

Contact: Rod Riley, Jacobs, 314-335-4482

CDI provided Engineering services to Jacobs for two bridge replacements in Pike County Missouri over Buffalo and Noix Creek. The new bridges were both three-span, utilizing prestressed NU girders on multi-column drilled shaft piers. CDI performed structural calculations and geometric design, as well as a construction plan review of the superstructure for both bridges.



### Route Z over Main Drainage Ditch

Dunklin County, MO | Services: Structural, Roadway & Hydraulic Engineering

Contact: Donna Philpot, PE MoDOT Transportation Project Manager, 573-258-0544

CDI completed the hydraulic analysis, roadway design and bridge design for the Route Z bridge over Main Drainage Ditch. The existing bridge was replaced with a three span prestressed concrete spread box beam bridge supported by piling at all four bents. Seismic details were included.

### Tilton Road over I-74

Tilton, IL | Services: Geotechnical Report, Substructure Design, Contract Documents

Contact: Matt Joost, Project Manager, TWM, 618-624-4488

CDI provided geotechnical and structural engineering services to TWM and IDOT District 5 for the planned replacement of the Tilton Road over I-74 bridge near Tilton, IL. The bridge will be converted from a 6-span condition to a 4-span condition, which is achieved by utilizing MSE walls to eliminate the abutment slope walls. Reducing the overall span length and the number of piers decreased the overall life cycle cost of the bridge. CDI's scope of work included the preparation of the structure geotechnical report, which evaluated the proposed bridge settlement, slope stability, seismic considerations, potential mining activity, and liquefaction. Substructure and foundation recommendations were provided based on the proposed site conditions. In addition, CDI designed the abutments and piers for the bridge and prepared the associated contract documents.



### Route 19 over Frene Creek

Hermann, MO | Services: Structural, Roadway & Hydraulic Engineering

Contact: Joe Alderson, PE, MoDOT Structural Liaison Project Manager, 573-522-8722

CDI completed the hydraulic analysis, roadway design and bridge design for the Route 19 bridge over Frene Creek. The existing superstructure is being replaced with steel press brake-formed tub girders. The flooding frequency was improved by increasing the free board without raising the grade. Both roadway approaches are being completely reconfigured.



## QUALIFICATIONS OF PERSONNEL

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### **Jason Schreckenberg, PE, SE | Structural Project Manager, 27 Years of Experience**

Jason Schreckenberg has 27 years of experience as a structural designer with a focus on transportation-related structures such as bridges, culverts, retaining walls, sign structures, lighting structure, deep/shallow foundations, and structural inspections. Additional responsibilities include structural analysis, hydraulic analysis, developing project design criteria, and preparing design calculations, construction details, specifications, quantities, and cost estimates. He has completed bridge design projects for numerous DOTs, county highway departments, and municipalities across the Midwest.



### **Kim Streicher | Structural Engineer, 27 Years of Experience**

Kim is a Bridge Project Engineer for CDI with more than 27 years of experience predominantly in the design and project management of bridge, culvert, retaining wall replacement, and rehabilitation projects. Throughout her career, Kim has effectively coordinated with professionals across multiple disciplines, offices, and states. At CDI, she has partnered with many public and private clients in Illinois, Missouri, and the St. Louis Metropolitan Region.



### **Tyler Ziegler, PE, SE | Structural Engineer, 16 Years of Experience**

Tyler Ziegler, PE, SE is a structural engineer and is responsible for assisting with project activities including bridge design, preparation of construction documents and construction observation. Tyler has extensive experience in shallow and deep foundation designs and soil retention systems. He is proficient in AutoCAD and MicroStation. He has experience working on numerous large- and small-scale bridge projects for MoDOT and IDOT.

## FAMILIARITY/CAPABILITY

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CDI has worked as a prime consultant and as a sub-consultant with a variety of teaming partners on federal and state-funded projects for MoDOT. CDI personnel have the experience and training needed to complete simple to complex bridge designs. Jason Schreckenberg and Kim Strieicher are **LPA certified**. We have a variety of bridge design experience, and a team large enough to prioritize projects and meet any project schedule. CDI's experience ranges from major river crossings to small local agency single-span bridges. Our team is ready and available to commit the time and resources necessary to meet project timelines and continue our success within the State of Missouri.

## ACCESSIBILITY

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CDI holds a proven positive record of performance with MoDOT and applies each of our core values to every project: Continuous Learning and Growth, Mutual Trust and Respect, Personal Ownership, and Responsiveness. With headquarters in St. Louis and another location in Jefferson City, our Missouri offices offer the proximity needed to effectively meet each project goal. We look forward to the opportunity to continue our relationship with municipalities and the LPA team through professional bridge design services and further support Missouri's transportation systems.

Sincerely,

**CIVIL DESIGN, INC.**



Vicki S. LaRose, President

314.880.4424 | vlarose@civildesigninc.com

## COMPANY OVERVIEW

### SERVICES



### INFRASTRUCTURE + ANALYTICS



### SITE



### STRUCTURES



### SURVEY



### TRANSPORTATION



### WATER RESOURCES

In 1996, Vicki LaRose, P.E. established **Civil Design Inc. (CDI)** with a focus on helping clients design quality infrastructure through successful, results-based projects. Today, CDI has established a reputation for excellence and a solid base of satisfied, repeat customers. Our firm has grown to over 150 team members with nearly 40 licensed engineers and four Professional Land Surveyors. CDI has the in-house expertise to provide our clients with quality civil engineering, mapping, and surveying services.

Throughout our history, CDI has embraced the idea of developing innovative solutions for complex engineering problems. Our insight and experience allow us to empower our clients to make intelligent decisions on how to apply limited resources in the best way for their projects.

For over 30 years, the culture at CDI has centered around **BUILDING STRONGER COMMUNITIES**. CDI is a leader in providing a positive and sustaining impact on our client community, local community, and co-workers. We are building a community of dedicated and passionate staff who are focused on those we serve. Because of this community-based culture, we will consistently offer the most positive, quality-driven and authentic experience.

### CONTACT

**Vicki LaRose, PE, President**

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e. vlarose@civildesigninc.com

## LOCATIONS

ST. LOUIS

COLLINSVILLE

EFFINGHAM

JEFFERSON CITY

LOUISVILLE

PRESTONSBURG





## WORKFORCE DIVERSITY

As a woman-owned organization, CDI understands the challenges minorities and women face throughout our industry. Our goal is to continue to further our commitment to diversity as our organization grows and develops. With minority and woman percentages far above the industry average, CDI maintains a commitment to keeping diversity and inclusivity at the forefront of our organization. All team members are offered personal and professional growth opportunities and are afforded the opportunity to explore unique growth paths.

Civil Design, Inc. provides equal employment opportunities to all team members and applicants for employment and prohibits discrimination and harassment of any type without regard to race, color, religion, age, sex, national origin, disability status, genetics, protected veteran status, sexual orientation, gender identity or expression, or any other characteristic protected by federal, state, or local laws. We go above and beyond the minimum requirements to ensure our team members and candidates have a safe, welcoming, and inclusive experience.

## COMMUNITY RELATIONS APPROACH

Our team understands the value of community input. After all, our mission is to Build Stronger Communities through our contributions to creating quality, sustainable infrastructure systems. We appreciate community feedback, and recognize the direct impact our work can have on the individual members of our communities.

Recently, CDI has worked extensively with communities throughout the Village of Godfrey, on both the D'Adrian Drainage Improvements and Ridgefield Drainage Improvements projects. Community engagement efforts on these projects

included multiple neighborhood meetings with the residents affected by the flooding issues, as well as extensive resident correspondence. Correspondence methods included mailed postcards and letters, which served as a means of developing key project information regarding current conditions. Residents also submitted personal photos to the CDI team, further detailing the flooding issues throughout the area.

Beyond our recent work in the Village of Godfrey, our team has also gathered community relations experience through our experience on a variety of Great Streets projects throughout the Greater St. Louis area. On a recent project, Frenchtown Great Streets, CDI served as a subconsultant to Design Workshop, Inc., and participated in numerous community feedback meetings. Ultimately, the Great Streets Initiative aims to challenge communities to envision streets as more than spaces for automotive travel, meaning community feedback played a particularly valuable and essential role in a successful project outcome. Throughout community feedback meetings, virtual polling technology was utilized to help collect community data efficiently and effectively. The information collected was then used to further advise the Frenchtown Great Streets project. CDI recognizes the vital role a community plays when developing an important project and our team finds community input to be paramount when completing a successful project.



**Proactive Coordination**

**Full-Service Civil Firm**



**Involved From Start to Finish**

**Robust Quality Control Program**





## QUALITY CONTROL PROGRAM

CDI's project oversight and quality control encompasses the entire design process from start to finish. Our Quality Control Program incorporates the review and permitting required by local authorities and regulatory agencies. Agencies include Departments of Transportation, the Department of Natural Resources (DNR), the Environmental Protection Agency (EPA), and the United States Army Corps of Engineers (USACE). CDI's Quality Control Program focuses on the following key components:

### QUALITY-FOCUSED APPROACH

CDI's Quality Control Program includes a logical, well-planned, and quality-focused approach. We promote streamlined team communication, clearly identifying project schedules and milestones, team meetings, correspondence, submittal requirements and expectations, QA/QC procedures, and available tools. Efficient and well-timed team meetings ensure all team members are informed of any issues, obstacles, or challenges.

### INITIAL ASSESSMENT

CDI developed automated QA/QC tools to review field data and identify missing relevant data. At this stage, quality reviews identify data gaps, such as missing owner communication, easement areas that are not delineated, and incomplete or outdated condition assessments, as well as the feasibility of the proposed design. Our team reviews documented communication with municipalities, counties, and agencies to confirm the project scope is effectively communicated.

### TECHNICAL REVIEWS

The internal design review process involves checking, back-checking, updating, and verifying project documents. Reviewers check calculations, drawings, and cost estimates, ensuring design standards are followed and local jurisdictional requirements are met.

### INDEPENDENT PEER REVIEWS

In addition to the quality control performed by our QC Manager, CDI team leaders cross-check peer reviews within their field of expertise. This important factor provides our clients with consistent designs and deliverables, while also reducing the municipal and agency review time needed for each project.

MISSOURI'S LOCAL PROGRAM ON-CALL | COMPANY BROCHURE

## PROJECT MANAGEMENT AUDITS

Project management audits are performed for each project at every submittal stage to confirm the correct project management procedures are being followed. We begin at zero percent complete, or "day one," ensuring each design team has the necessary resources and information in place before design starts.

## CONSTRUCTIBILITY REVIEWS

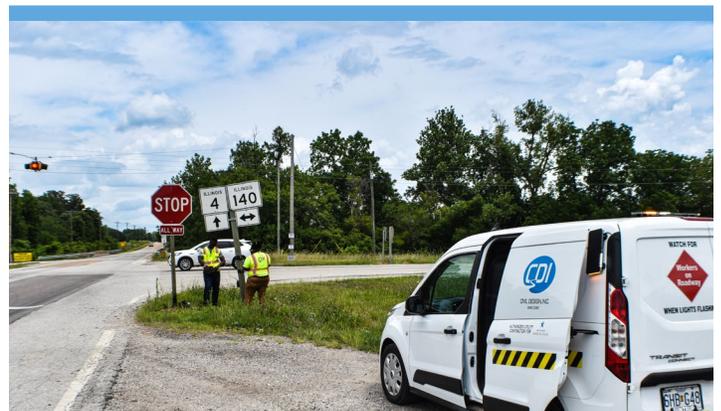
Each technical lead utilizes their project experience and knowledge of construction methods to maintain realistic construction costs and ensure the project can be built in a practical manner. Reviews focus on identifying conflicts, infrastructure component installation, utility coordination, contractor staging and access, and receiving structure capacity. As a result of constructibility reviews, our team can perform design modifications early in the project process.

## COMMITMENT TO SAFETY

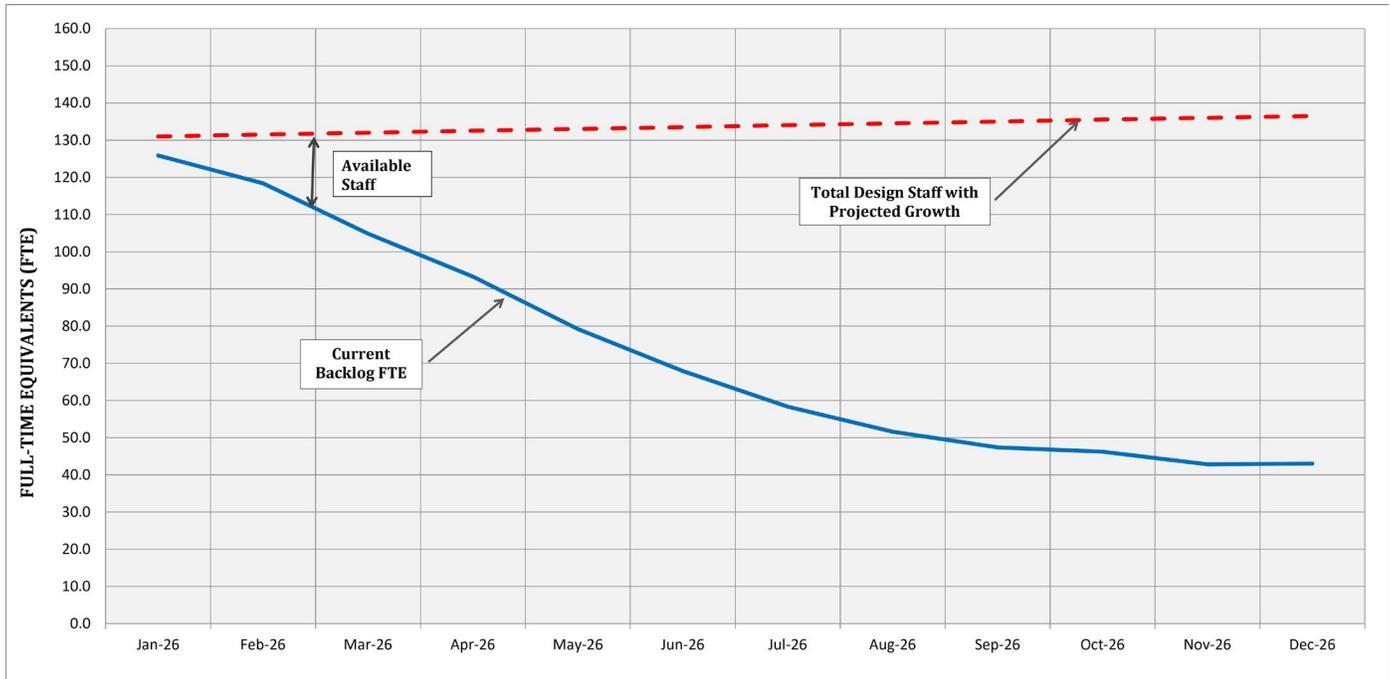
We find our team to be the most important asset at CDI, valuing the safety, dignity, and respect of all our team members. Due to the variety of the projects that we undertake and the various specialties of our team, developing a unified safety program covering all aspects of the nature of our work is a vital undertaking. To address the variety of safety concerns faced by our team members, we formed an internal committee to develop and maintain a safety program meeting the needs of each of our services.

CDI's Safety Program is intended to provide guidelines to establish and maintain an effective safety management culture to reduce team member injuries and support compliance with OSHA workplace safety regulations.

The practice of occupational safety and health and its related regulatory programs are constantly under review and change. In order to prevent work-related injuries, all CDI team members are properly trained and held accountable for safety. Team members are required to understand all known hazards presented in their work environment and are able to respond appropriately to unplanned hazards which may arise.



## WORKLOAD CAPACITY | JANUARY 2026 THROUGH DECEMBER 2026



## FIRM BREAKDOWN

	FIRMWIDE	STL	EFF	JEF	LOU	CVL	PBG
ADMINISTRATIVE/OTHER	12	6	2	1	2	1	0
CADD TECHNICIAN	5	2	1	0	0	2	0
CIVIL ENGINEER	21	12	3	3	2	3	0
CONSTRUCTION INSPECTOR	2	0	1	0	1	0	0
CONSTRUCTION MANAGER	1	0	1	0	0	0	0
LAND SURVEYOR	9	2	3	1	2	1	1
GIS SPECIALIST	8	3	2	0	1	1	1
STRUCTURAL ENGINEER	18	7	4	1	2	4	0
FIELD TECHNICIAN	34	20	6	0	5	1	2
TRANSPORTATION ENGINEER	28	12	7	1	3	4	1
WATER RESOURCES ENGINEER	6	4	1	1	0	0	0
OTHER (INTERN)	17	7	0	0	1	5	0
<b>TOTAL</b>	<b>163</b>	<b>75</b>	<b>34</b>	<b>8</b>	<b>19</b>	<b>22</b>	<b>5</b>