



# Transportation Services

CJW's broad background in transportation planning, roadway & intersection design, traffic engineering, traffic operations and traffic safety analysis makes us the perfect choice for your transportation projects.

Our team has successfully completed 1,000s of transportation services for public & private sector clients across SW Missouri and beyond. Our team has 150 years of real-world transportation engineering experience at the federal, state, and local levels. CJW understands the challenges of programming, operating, maintaining & designing transportation investments with real world leadership experience at LPAs, MoDOT and FHWA.

CJW has Professional Traffic Operations Engineers (PTOE) and has built a reputation as the **go-to-firm** for traffic operations and traffic studies in SW Missouri & beyond. Our team has significant experience in traffic safety & traffic analysis for public/private sector projects. CJW has conducted 100s of traffic studies for local agencies, private developers, regional consulting firms, and SDOTs. Our team is well versed with several traffic modeling packages including Synchro, VISSIM, Highway Capacity Software, and Sidra. We understand the strengths of each software, and therefore can assist our clients in choosing the right product for their application. CJW's traffic safety expertise provides our clients with cost-effective practical designs that deploy proven safety countermeasures to maximize safety benefits for all modes of travel. CJW is highly regarded, with the professional expertise and a **client first commitment** to successfully deliver a variety of **Transportation Services** including:

## PLANNING

- ▲ Transportation Planning
- ▲ Technical Assistance
- ▲ Transportation Master Plans
- ▲ Transportation Enhancements
- ▲ Traffic Studies & Analysis
- ▲ ITS Architecture
- ▲ Plan Reviews
- ▲ Parking Studies
- ▲ Signal Timing
- ▲ Highway Rail Crossing Studies
- ▲ Road Safety Assessments (RSA)
- ▲ Safe Routes to Schools Studies
- ▲ Pedestrian Safety Action Plans
- ▲ HSM Policy & Applications

## CONSTRUCTION

- ▲ Plan Review
- ▲ Estimate of Probable Cost
- ▲ Construction Observation
- ▲ Contract Administration

## DESIGN & OPERATIONS

- ▲ Roadway Design
- ▲ Complete Street Design
- ▲ Street & Highway Design
- ▲ Traffic Management
- ▲ ITS Management & Design
- ▲ Parking Lot Design
- ▲ Streetscape Enhancements
- ▲ Road Diets
- ▲ Work Zone Safety
- ▲ Highway Signage
- ▲ Park & Trails
- ▲ ADA/Sidewalk
- ▲ Green Infrastructure
- ▲ Accident Reconstruction & Expert Witness
- ▲ Quantitative Safety Analysis
- ▲ Signalized Intersection
- ▲ Roundabouts
- ▲ Interchanges

**Workforce Diversity** - (Small Business Status | 50% Women Ownership | 4% Disabled | 8% Veteran)

At CJW we believe workplace diversity begins with leadership that reflects positive role models for all employees. This starts with a transparent recruiting process and continues throughout all aspects of an employee's tenure, from hiring to retirement. By promoting workplace diversity, we strongly believe we can enhance team collaboration, retention, and our team's commitment to delivering quality services.



## Bicycle/Pedestrian Services

CJW has provided design & construction management services for a variety of bicycle & pedestrian improvements, including sidewalks, recreational trails, safe routes to schools initiatives, bike/ped pavement markings, pedestrian signals (RFB & PHB) and bike lane facilities. Our team includes an avid bicyclist and a recipient of the **Missouri Bicycle Federation - Distinguished Service to Missouri Bicycling Award**. CJW team members were key decision makers in the development & funding of greenway trails along Galloway Creek, South Creek, and Jordan Creek some of the most utilized facilities in the Ozark Greenway system. CJW's bike/ped project expertise includes residential, commercial, retail, healthcare, educational, tribal nations, and local public agencies. Our Team has established long-term client relationships by being **trusted, experienced & client focused**.

CJW's safety & design professionals are committed to enhancing the quality of life for communities by improving safety & access to vital community facilities (i.e., educational, healthcare, governmental, employment, religious, and retail centers) for all transportation modes. Our Team has experience with the development of Pedestrian Safety Action Plans, ADA Transition Plans, and Strategic Highway Safety Plans at the Federal, State, & LPA levels. CJW's technical expertise provides our LPA clients with cost-effective practical designs that deploy proven safety countermeasures to maximize safety benefits for all modes. CJW's Team is highly regarded, with the professional expertise and a **client first commitment** to successfully deliver a range of **Bike/Ped Services** including:

### PLANNING

- ▲ Transportation Planning
- ▲ ADA Transition Plans
- ▲ Comprehensive Master Plans
- ▲ Transportation Enhancements
- ▲ Traffic Studies & Analysis
- ▲ Pedestrian Safety Action Plans
- ▲ Recreational Trail Plans

### SURVEYING

- ▲ Boundary & Topographic Surveys
- ▲ Utility Surveys
- ▲ Construction Staking
- ▲ Easement Description Preparation
- ▲ Global Positioning System Surveys
- ▲ Aerial Mapping Control Surveys
- ▲ GIS Maintenance & Development

### INFRASTRUCTURE DESIGN

- ▲ Civil Site Designs
- ▲ Streetscape Enhancements
- ▲ MUTCD Signing & Markings
- ▲ Complete Streets Designs
- ▲ Road Diets
- ▲ Recreational Trail Designs
- ▲ ADA/Sidewalk Designs
- ▲ ADA/Signalized Intersection Designs
- ▲ Pedestrian Signals
- ▲ Speed Management

### CONSTRUCTION

- ▲ Plan Review
- ▲ Estimate of Probable Cost
- ▲ Construction Observation
- ▲ Contract Administration

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# Construction Phased Services

CJW has provided **Construction Phased Services** on public/private projects across SW Missouri and beyond. Our team has worked with LPAs, national brands, local developers, MoDOT and tribal nations. CJW's project expertise includes residential, commercial, retail, health care, educational, and public agencies. Our Team has built long-term client relationships by being trusted, experienced and client focused.

CJW's extensive expertise within the construction industry allows us to assist owners in the construction process. Leveraging our experience from all stages of the construction process, we work to partner with owners to provide Construction Administration and on-site representation during the construction process. This gives owners peace of mind that their project is constructed correctly, on-time, and within budget.

CJW's Team has staff members with decades of project management leadership experience with LPAs and MoDOT. These seasoned professionals bring a public agency's perspective to every project acting as an extension of the agency's staff.

**CJW's Construction Management Team** is highly regarded, with the professional expertise and a **client first commitment** to successfully deliver a variety of **Construction Phased Services** including:

- ▲ Pre-Bid Meeting Assistance
- ▲ Estimate of Probable Costs
- ▲ Pre-Construction Meetings
- ▲ Progress Meetings
- ▲ Project Schedule Review & Monitoring
- ▲ Construction Environment Monitoring
- ▲ Review of Shop Drawings
- ▲ Review of Pay Applications
- ▲ Change Order Review & Completion Assistance
- ▲ Construction Staking
- ▲ Field Reports
- ▲ Interpret Plans/Specifications & Discuss Deviations
- ▲ Technical Assistance
- ▲ Quality Control
- ▲ Traffic Control Plan Review
- ▲ Utility Surveys - One Call
- ▲ Utility Coordination
- ▲ Construction Staking
- ▲ Onsite Representation
- ▲ Construction Observation
- ▲ Material Certification Review
- ▲ Punch List Preparation
- ▲ Project Closeout
- ▲ As Built Plan Preparation

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# Surveying & Mapping

CJW's Surveying Department has decades of surveying & mapping experience and utilizes advanced technologies (i.e., UAV/Drones) to deliver accurate and cost-effective surveys on a wide range of projects. Surveys that once took a large, full-staff survey crew months to complete can be surveyed in days using UAVs with a 1-2-person crew. In addition, UAVs can be used to collect survey & mapping data where it is dangerous or extremely difficult for a surveyor to access, such as high-speed roadways, waterways, steep terrain, dense vegetation, toxic waste areas, or structures.



Our professional expertise allows our clients to benefit from what we have learned on numerous projects big and small, routine or demanding. This expertise will reduce the cost and duration of field and office tasks, as we uphold our high standards of service, excellence, and integrity.

The **CJW Surveying Department** is highly regarded, with the professional expertise and a **client first commitment** to successfully deliver a variety of **Surveying & Mapping Services** including:

- Municipal Consulting Survey Services
- Boundary Surveys
- Topographic Surveys
- Mobile LIDAR Surveys
- Lot Surveys
- Utility Surveys
- Construction Staking
- Prepare & Certify Legal Descriptions
- Global Positioning System Surveys
- Aerial Mapping Control Surveys
- Aerial Imagery/Photography
- Data Collection/Reduction
- Horizontal & Vertical Control Networks
- Platting GLO Retracement Surveys
- ALTA/NSPS Land Title Surveys
- Easement Surveys & Acquisition
- ROW Surveys & Acquisition
- FEMA Elevation Certificates
- Floodway Surveys, LOMA, LOMR
- Subdivision Planning & Platting Surveys
- Civil Engineering Designs
- As-Built Surveys
- Control Surveys
- Expert Witness
- GIS Mapping & Asset Management
- Unmanned Aerial Vehicle (UAV/Drone Surveys)
- Sanitary Sewer Extensions
- Park Master Plans
- Master Planning
- Planned Development & Rezoning
- Capital Improvements Surveys
- Feasibility Surveys
- MoDOT Cost Share Projects
- Transportation Enhancements
- Grant Application Assistance
- Local Public Agency (LPA) Projects
- Municipal Annexation Surveys
- Stormwater Master Plans
- Transportation Planning

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