



Transportation Services

CJW's broad background in transportation planning, traffic engineering, traffic operations, and traffic safety analysis makes us the perfect choice for your transportation projects. Our team has completed 1,000s of transportation services for both public & private sector clients across SW Missouri. Our team also has 90+ years of transportation engineering experience at the federal, state, and local levels. **CJW** understands the challenges of programming, operating, maintaining, and designing transportation investments with real-world leadership experience with LPAs, MoDOT, and FHWA.

CJW's staff includes professional engineers with decades of Municipal Public Works Operations & Design experience which has helped us to earn a reputation as the go-to firm for transportation planning, traffic operations, and traffic studies in SW Missouri. Our team has significant experience in traffic safety & traffic analysis for both public & private sector projects. **CJW** has conducted 100s of traffic studies for local agencies, private developers, other consulting firms, and MoDOT. Our team is well-versed in several traffic modeling packages (i.e., Synchro, VISSIM, Highway Capacity Software, and Sidra). We understand the strengths of each software and can assist our clients in choosing the right product for their application. **CJW's** traffic safety experience provides clients with practical design options that deploy proven safety countermeasures to maximize safety benefits for all modes of travel. **CJW** is **highly regarded**, with **professional expertise** and a **client-first commitment** to 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
- ADA Transition Plans
- Highway Rail Crossing Studies
- Road Safety Assessments (RSA)
- Safe Routes to Schools Studies
- Pedestrian Safety Action Plans (SS4A)
- Comprehensive Safety Action Plans
- HSM Policy & Applications

DESIGN & OPERATIONS

- Roadway Design
- Complete Streets Design
- Traffic Management
- ITS Management & Design
- Parking Lot Design
- Streetscape Design
- Road Diets
- Work Zone Safety
- Highway Signage
- Park & Trails
- ADA Sidewalk Design
- Green Infrastructure
- Quantitative Safety Analysis
- Signalized Intersections
- Roundabouts
- Interchanges

CONSTRUCTION

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





Surveying & Mapping

CJW's Surveying Department has decades of experience in surveying and mapping, utilizing advanced technologies such as Unmanned Aerial Vehicles (UAVs) and drones to deliver accurate and cost-effective surveys. Projects that once required a fully-staffed survey crew months to complete can now be surveyed in days using UAVs with a 1-2 person crew. UAVs are also used to collect survey and mapping data on projects where there are safety concerns or areas that are extremely difficult for surveyors to access, such as high-speed roadways, waterways, steep terrain, dense vegetation, toxic waste areas, or structures.



Our professional surveying expertise allows our clients to benefit from the extensive knowledge **CJW team** members have gained on numerous projects—small, large, routine, and complex—over the years. This capability reduces the cost and duration of field and office tasks while maintaining **CJW's** quality and service delivery standards.

The **CJW Surveying Department** is **highly regarded** for its **professional expertise** and **client-first commitment**. We successfully deliver a variety of Surveying and Mapping Services, including:

- Municipal 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





Bicycle/Pedestrian Services

CJW has provided design and construction management services for a variety of bicycle and pedestrian improvements, including sidewalks, recreational trails, safe routes to school initiatives, bike/ped pavement markings, pedestrian signals (RFB & PHB), and bike lane facilities. Our team includes a recipient of the **Missouri Bicycle Federation's Distinguished Service to Missouri Bicycling Award**. **CJW** team members played crucial roles in the development and funding of greenway trails along Galloway Creek, South Creek, and Jordan Creek, which are among the most utilized facilities in the Ozark Greenway system. **CJW's** expertise in bike/ped projects spans residential, commercial, retail, healthcare, educational, tribal nations, and local public agencies. Our team has established long-term client relationships through trust, experience, and a client-focused approach.

CJW's safety and design professionals are dedicated to enhancing quality-of-life initiatives by improving safety and access to essential community facilities, such as educational, healthcare, governmental, employment, religious, and retail centers, for all transportation modes. We have experience developing Pedestrian Safety Action Plans, ADA Transition Plans, and Strategic Highway Safety Plans at the federal, state, and local public agency levels. **CJW's** technical expertise provides our local public agency clients with cost-effective, practical designs that incorporate proven safety measures to maximize safety benefits across all modes of transportation. **CJW's** team is **highly regarded** for its **professional expertise** and **commitment to client satisfaction**, successfully delivering 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 Design
- Streetscape Design
- MUTCD Signing & Markings
- Complete Streets Design
- Road Diets
- Recreational Trail Design
- ADA/Sidewalk Design
- ADA/Signalized Intersection Design
- Pedestrian Signals
- Speed Management

CONSTRUCTION

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





Construction Phased Services

CJW has provided Construction Phased Services for public and private projects across Southwest Missouri. We have collaborated with MoDOT, Local Public Agencies (LPAs), national brands, local developers, and tribal nations. Our project expertise encompasses residential, commercial, retail, healthcare, educational, and public agency sectors. We have built long-term client relationships by being trusted, experienced, and client-focused.

CJW's extensive expertise within the construction industry enables us to assist owners throughout the construction process. Leveraging our experience from all stages of construction, we partner with owners to provide Construction Administration and on-site representation. This oversight ensures that projects are completed according to plans and specifications, on time, and within budget. Our team has decades of project management leadership experience with MoDOT and LPAs, bringing a public agency's perspective to every project and acting as an extension of the agency's staff.

CJW's Construction Management Team is **highly regarded** for its **professional expertise** and **client-first commitment**. We 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

