

*MoDOT LPA  
Traffic Engineering and  
TEAP*

November 15, 2013

Mr. Kenneth Voss, P.E.  
Local Program Administrator  
Missouri Department of Transportation  
105 West Capitol Avenue  
P.O. Box 270  
Jefferson City, MO 65102

Mr. C. Jay Wynn, P.E., PTOE  
President  
CJW Transportation Consultants  
5051 S National Avenue Suite 4-110  
Springfield, MO 65810  
www.gocjw.com

*RE: Letter of Interest for LPA Consulting Services Traffic Engineering and TEAP*

Dear Mr. Voss and Selection Committee:

CJW Transportation Consultants, LLC (CJW) is pleased to express our interest and demonstrate our qualifications for LPA Consulting Services in Traffic Engineering and TEAP to the Missouri Local Program.

CJW has gained a reputation as a “go-to-firm” for traffic engineering services, and these are the types of projects in which we excel. Jay Wynn owner and President of CJW was recently awarded the Melvin B. Meyer Transportation Professional of the year award for 2013 by the Missouri Valley Institute of Transportation Engineers, and CJW has been a previous recipient of the Transportation Achievement Award by presented by the Ozark Chapter of the Institute of Transportation Engineers. CJW maintains a professional staff of 20 highly qualified personnel and we are confident in our ability to successfully conduct Traffic Engineering Services and TEAP for the Missouri Local Program. CJW has developed a good working knowledge of MoDOT and municipal policies, procedures and preferences and we would welcome the opportunity to work with the Missouri Local Program on an on call basis.

CJW Transportation Consultants, LLC offers the following benefits:

- ▲ In positions held with municipal agencies, our staff members have been directly responsible for the design, operation, and maintenance of civil engineering infrastructure.
- ▲ An organization with prior and current civil engineering based working relationships and a history of working LPA projects.
- ▲ CJW has the available resources and understands funding processes for completing projects on time and on budget.
- ▲ At CJW we focus on strong, long-term relationships with our clients – by providing superior customer service and by continuously improving ourselves. Our employees’ talent, passion, and values are the foundation of our success.

- ▲ CJW makes every effort to promote workforce diversity. The sheer fact that we are located in the Ozarks promotes diversity as the Ozarks consist of a distinctly unique geographic population. The majority ownership of our company is held by a woman and we regularly use interns from various universities, our most recent being female. We are an equal opportunity employer, and currently have an employee that is hearing impaired. Our company is also a member of the Springfield Chamber of Commerce which has a workforce diversity program to promote regional diversity.
- ▲ CJW was founded on principles and values that continue to be at the core of this firm. These values are how we do our business, how we respect our people and clients, how we help support your vision, and how we care for the community we serve.

The following are identified **keys to success** that our team can bring to projects:

- 1 **Knowledge** – Our team offers unparalleled knowledge of state and municipal practices and policies. This knowledge has been acquired through numerous successful projects where LPA has been involved.
- 2 **Practical Solutions** – Our team contributes a wealth of experience in transportation and traffic engineering which is important as we explore practical solutions through consideration of innovative and proven methods that will produce an outcome that exceeds expectations for this project.
- 3 **Available/Committed Staff** – Our team has available experienced staff that will be committed to all LPA projects. We understand the commitment of the Missouri Local Program to deliver needed civil improvements in a timely manner and strive to meet those expectations.

**Company Honors and Awards:**

- 2006 Springfield Business Journal “Best Places to Work”
- 2008 OCITE Transportation Achievement Award
- 2011 Springfield Business Journal “Dynamic Dozen”

**CJW Professional and Civic Involvement:**

- Member of the Springfield Area Chamber of Commerce
- Springfield Area Chamber of Commerce Transportation Committee
- Missouri Society of Professional Engineers
- Professional Engineers in Private Practice
- National Society of Professional Engineers
- Institute of Transportation Engineers (ITE)
- Ozark Chapter of ITE (OCITE)
- Intelligent Transportation Systems America, Heartland Chapter
- Missouri Floodplain and Stormwater Managers Association
- Association of State Floodplain Managers
- American Public Works Association



## ***Team Organization***

The following offers a brief description of key staff members that will provide you with information on our team. We have selected these professionals based on their expertise and knowledge.

**Jay Wynn, PE, PTOE, Principal-in-Charge** has over 26 years of experience in civil engineering and land transportation planning and design, including traffic impact studies, analytical studies of traffic control problems, corridor and land use origin – destination studies. Jay has experience with budget administration and is familiar with the process of procuring various forms of funding from federal, state, and municipal agencies. Other projects included installation of a state of the art computerized traffic signal system for over 140 intersections, traffic signal design and intersection improvements, and roadway design. Jay's expertise extends to technical design for municipal infrastructure, roadway design, lighting systems, signal timing & operation, signal system control and optimization, intersection capacity analysis, intersection geometrics, level of service studies, land use studies, preparation of construction plans, specifications and bid documents, project management, contract administration and construction inspection.

**Tom Dancey, PE, PTOE, Transportation Engineer** has over 18 years of experience in traffic management, traffic operations and design of traffic improvements. Most recently as the Signal System Engineer for the City of Springfield, MO where he was responsible for the design, operation and maintenance of the City's signals and worked directly with MoDOT District 8 staff to provide cross-jurisdictional coordination and collaborative operation of the Springfield Regional TMC.

**Dane Seiler, PE, Project Manager** has over 8 years of experience in the field of civil engineering and transportation consulting. Dane has experience in multiple transportation site design related projects. These projects include traffic impact assessments, safety studies, access management studies, signal design, geometric design, travel time evaluation, roadway alignment evaluation, and signal timing development.

**Jonathan Staats, EI, Traffic Engineer** has several years of experience in the field of civil engineering and transportation consulting. Jonathan has experience in multiple transportation related projects. These projects include traffic impact assessments, signal design, geometric design, travel time evaluation, roadway alignment evaluation, signal timing development.

**Jeff Asher, Senior Designer** has over 18 years of experience in the civil engineering field. Jeff joined CJW in June 2006. His expertise includes design and plan preparation for roadway, intersection, and stormwater improvements. Jeff has been responsible for a variety of roadway projects including roadway realignments, intersection improvements, and roadway improvements. Jeff's focus is in highway and street design with extensive experience in planimetric and topographic mapping. Jeff specializes in the use of Microstation/GEOPAK and AutoCad Civil Design software.

## ***Project Approach***

**Management** - CJW's project management approach is focused on delivery of services in accordance with the LPA schedule. Our approach consists of the following;

- ▲ Develop a comprehensive work plan and schedule to accomplish the project goals
- ▲ Create an atmosphere that encourages clear communication and teamwork to accomplish the project goals;
- ▲ Specify the responsibilities of all assigned staff and confirm that all staff are suitably qualified and trained for their assigned roles;
- ▲ Define project reporting arrangements;
- ▲ Define the schedule and cost management procedures;
- ▲ Identify the appropriate standards to be applied to the project and its products, and
- ▲ Define the CJW management team structure and interfaces with LPA staff.

**Effective communication** amongst all stakeholders will be essential in order to deliver a successful project. Decision makers who are informed and involved will greatly enhance project delivery and significantly reduce review and approval processes.

**Technical Approach** - CJW will follow a basic technical approach for traffic engineering services. This approach may vary slightly from project to project depending on the type of project and the scope. However, the basic technical approach will consist of the following: review of existing conditions; traffic data collection; traffic analysis; right-of-way acquisition; public improvement process; project reporting; submittal of plans, specifications, and estimates; and final plans documentation and approval.

**Quality Assurance Plan** CJW has made a companywide commitment to quality. Each of our staff members strives to provide the best possible product and service to our clients. CJW staff recognizes the need for quality in our individual work, in our work as a team, and in our partnership with our clients.

The CJW team provides numerous years of experiences both locally and regionally. We are confident we are the right team for this type of project, and look forward to discussing in more detail our approach, qualifications, and enthusiasm with you. Please call me at (417) 889-3400 or [jwynn@gojcw.com](mailto:jwynn@gojcw.com) if you have questions or need additional information. Thank you for considering the CJW team.

Sincerely,

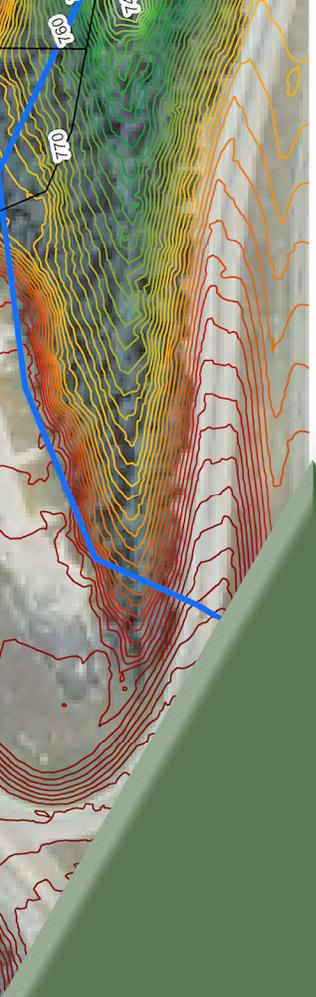


C. Jay Wynn, PE, PTOE - Project Manager  
CJW Transportation Consultants, LLC

Project Name	CJW Relevant Project Description
<b><i>MoDOT SIGNAL OPTIMIZATION RT. 100 (MANCHESTER ROAD) ST. LOUIS COUNTY, MISSOURI</i></b>	CJW assisted MoDOT Saint Louis District in retiming 48 signalized intersections along Route 100 in St. Louis County. As a part of this project, CJW was responsible for pre- and post-retiming data collection (travel times), field observations, signal timing development, signal timing fine tuning, traffic model development, signal timing implementation, and a technical report detailing a comparison of the following performance measures: arterial travel time, delays, average speeds, level of service for the arterial intersections and each movement, and annual reductions in fuel consumption. CJW worked diligently with MoDOT staff to assess and fine tune the signal timing along the corridor.
<b><i>OAKWOOD AND US 60 SCOPING STUDY REPUBLIC, MISSOURI</i></b>	CJW Transportation Consultants was retained by the City of Republic to develop a project scope for future intersection Improvements at US 60 and Farm Road 93 (Oakwood) The project included the identification of needed improvements, conceptual geometric design and layout, right-of-way requirements, utility impacts, environmental impacts, and a cost estimate. The goal of the scoping study was to identify improvements to the road system to create a satisfactory level of service, safety, and access. CJW subsequently provided signal and intersection improvement design for the intersection.
<b><i>JOPLIN AREA TRANSPORTATION STUDY ORGANIZATION 2030 LONG RANGE TRANSPORTATION PLAN JOPLIN, MISSOURI</i></b>	CJW completed the recent update to the Long Range Transportation Plan for the Joplin metropolitan planning organization. The plan included analysis of all modes of transportation facilities within the region and provides recommended priorities for capital improvements based on future travel demand forecasting and fiscal analysis through the year 2030.

Project Name	CJW Relevant Project Description
<b><i>WALNUT LAWN ROUNDABOUT SPRINGFIELD, MISSOURI</i></b>	CJW was retained as a sub-consultant on the project team to provide MoDOT and City of Springfield development and implementation of an integrated regional inter-jurisdictional arterial and freeway advanced traffic management system for the Springfield region. The project included deployment of central software for real-time data collection, incident response, DMS control, CCTV control and traffic signal control including firmware replacement. CJW also designed a total of 33 dynamic message signs, 275 vehicle detectors, 14 rail crossing train detectors, 54 CCTV cameras, and over 28 miles of fiber-optic cable and wireless communications infrastructure along several freeway and arterial routes throughout the city.
<b><i>HIGHWAY CC EXTENSION NIXA, MISSOURI</i></b>	CJW Transportation Consultants, L.L.C was the lead consultant for the conceptual layout and environmental assessment of State Highway CC extension from Main Street to Nicholas Street in portions of the City of Nixa and Christian County, Missouri. CJW guided the City of Nixa through the Local Public Agency process by conducting public involvement meetings, assessing the needs of the roadway through traffic modeling, and working to provide the proper documentation for environmental clearance. In addition, CJW recommended a series of roadway alignments and ultimately selected a preferred alignment for further design. After selecting a preferred alignment CJW worked to complete design plans that adhered to MoDOT’s standards for a section of the roadway between Main Street and US Highway 160. CJW’s responsibilities included topographic survey, roadway geometric design, stormwater conveyance design, public meetings, and two signalized intersection layouts.
<b><i>BRANSON HIGHWAY 76 RE-DESIGN BRANSON, MISSOURI</i></b>	CJW has teamed with Cook, Flatt, and Strobel Engineers to provide professional engineering and surveying services for the re-design of Highway 76 in Branson, Missouri. CJW will provide primary engineering for traffic modeling, traffic projections, traffic analysis, intelligent transportation concept plans, travel time data, and field surveying. CJW will also be assisting with inventory of existing features, development of new roadway and complete street features, and survey mapping.





**ENGINEERING SERVICES**



*The CJW Difference*



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# The CJW Team

At CJW, we understand the unique challenges and pressures that face the transportation industry. Growing communities and aging infrastructure directly impact users of transportation systems on a daily basis. It is the goal of CJW to develop innovative solutions that enhance the mobility, safety, and quality of life for all transportation users in every community we serve.

The team at CJW has developed a reputation for accuracy, innovation and reliability. We specialize in solving highly complex transportation problems using cutting edge technology to provide our clients with a wide variety of solutions to meet their transportation needs. Our staff has worked with all sectors of the transportation industry including large cities, small communities, state departments of transportation, and private developers. It is this depth of experience that allows us to successfully complete the scope of any design project.

CJW actively works with all stakeholders in every project we do. Our staff strives to serve not only the client, but the public as well. Through community involvement and public awareness, it is possible to find effective designs that will serve each community well into the future.



## ADDITIONAL CJW SERVICES

### LAND SURVEYING

- ▲ Cadastral Surveys
- ▲ Engineering Surveys
- ▲ Mapping
- ▲ Construction Surveying Services

### GOVERNMENT

- ▲ Planning
- ▲ Surveying
- ▲ Geographic Information System
- ▲ Design
- ▲ Geographic Information System

# Transportation Services

## TRANSPORTATION PLANNING

- ▲ Traffic Forecasting
- ▲ Transportation Master Planning
- ▲ Capital Improvement Programs
- ▲ Corridor and Network Modeling
- ▲ Complete Streets Programs (Pedestrian / Bicycle / Transit Accommodation)
- ▲ Land Development Traffic Impact Assessments (TIA) with Evaluation of Impacts
- ▲ Access Management Studies
- ▲ Route Planning and Alignment Studies (NEPA Process)
- ▲ Public Participation and Involvement
- ▲ Land Surveying (Boundary, ALTA)

## DESIGN AND CONSTRUCTION SERVICES

- ▲ Surveying and Base Mapping (Topo and Existing Conditions)
- ▲ Roadway & Intersection Design (Alignment / Drainage System / Erosion Control)
- ▲ Right-of-Way Plans w/Legal Descriptions
- ▲ Traffic Signal Design
- ▲ Construction Traffic Control Plans
- ▲ PSE Documents (AutoCAD / MicroStation / Contract Administration)
- ▲ Construction Period Services (Staking and Inspection)
- ▲ Transit Stops (Shelters / Turnouts / Sidewalk Connectivity)
- ▲ Land Development Civil Site Design (Access, Parking and Circulation)

## TRAFFIC ENGINEERING

- ▲ Traffic Control Devices (Signals, Signs and Markings)
- ▲ Traffic Studies (Safety and TIA)
- ▲ Traffic Capacity and Level of Service (Geometrics, Signal Warrants)
- ▲ Accident Reconstruction

## OPERATIONAL AND MAINTENANCE SERVICES

- ▲ Asset Management (Signals, Signs, Striping, Lighting)
- ▲ Access Management
- ▲ Traffic Signal Timing and Coordination
- ▲ ADA Compliance
- ▲ Traffic Safety Audits (High Crash Location Analyses and Remediation)
- ▲ GIS Maintenance and Development

## UTILITY

- ▲ Easement Surveys
- ▲ Topographic
- ▲ Agency Coordination
- ▲ Permit Assistance



[www.GoCJW.com](http://www.GoCJW.com)

*Professional Engineers and Land Surveyors*



## *The CJW Difference*

Since our inception, CJW has worked diligently to create strong relationships with our clients. The foundation of our success lies in our ability to meet and exceed the unique needs of each client. Each member of our team is experienced and dedicated to providing the best possible service for each and every project we do. As our client, you can rest assured that you will be treated as a partner allowing all stakeholders to brainstorm, exchange ideas, and actively participate in the design process. This partnership will result in a service tailor-made to fulfill every aspect of your project from start to finish. Our unparalleled technical expertise, assurance of fiscal responsibility, and thorough understanding of stakeholder and community needs makes CJW the perfect choice for your project.



[www.GoCJW.com](http://www.GoCJW.com)