



COVER SHEET

(This must accompany your firm's letter of interest and does not count in the page limit)

Firm's Full Legal
Name:

Walter P. Moore and Associates, Inc.

Firm Contact Name:

Daniel Brown, PE, LEED AP, ENV SP

Contact Email
Address:

DLBrown@walterpmoore.com

Firm's Mailing Address:

1100 Walnut, Suite 1825, Kansas City, Missouri 64106

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**

Roadway Design: Firm Qualifications



Providing new streets and thoroughfares and upgrading failing roadways and their related infrastructure is one of every county's constant challenges. At Walter P Moore, we understand the public and private critical issues to the design of these systems and maintain public trust in the projects we design. We meet the needs of our city roadway systems through local public involvement, use of technology to determine the most effective solutions, and integrating the firm's traffic, bridge, and drainage expertise. We bring innovation to the project providing visualization tools, clash detection, and an experienced eye to find the appropriate solutions.

3D VISUAL COMMUNICATIONS

Our team has continued to embrace the practice of visual communications to assist our clients and the public in visualizing proposed designs. These 3D models are especially helpful for public meeting discussions and can be made easily available to the public on any of the MoDOT's social media and/or website platforms. A fly-through video created by our team for a public meeting for a roadway improvement project can be seen by clicking on the image below.



CAPABILITIES

Highways/Toll Roads/Roadways

- Highway and Toll Road Design
- Route Studies and Schematic Design
- Hydrology and Hydraulics
- Utility System Design
- Low Impact Development/ Green Infrastructure

Transportation Structures

- Roadway Bridge
- Pedestrian Bridge
- Rail Bridge
- Retaining Walls
- Grade Separator
- Culverts and Tunnels
- Bridge Restoration
- Scour Studies

Traffic Engineering

- Traffic Studies
- Feasibility Studies
- Safety
- Signalization
- Traffic Control

Stormwater Services

- Drainage Master Planning
- Drainage System Design
- Stream Restoration
- Low Impact Development (LID)
- Water Quality and NPDES Consulting

Roadway Design: Key Personnel



Michael Haake, PE, ENV SP
Project Manager
20 Years with Walter P Moore

Mike has 22 years of civil engineering design experience.

He has delivered 15+ roadway improvements projects in the Kansas City Metro area. His management and design of several award-winning projects is a testament to his skills of delivering a high quality project while working as an effective member of the project team. Mike's previous experience in the field as an inspector at KDOT also gives him the unique ability to understand how a quality design leads to a successful project.

Education + Registrations

BS, Civil Engineering, University of Kansas

Professional Engineer Missouri #2014007266

ISI Envision Sustainability Professional

MoDOT Local Public Agency (LPA) Basic Training



Ethan Buhman, PE, ENV SP
Project Manager
12 Years with Walter P Moore

Ethan has 12 years of experience on public roadway and drainage projects. He has helped manage and lead the design of roadway projects for several local cities. Ethan has been instrumental in delivering successful projects and providing service that has produced repeat clients. In addition to all of these projects contributing to the passion Ethan has developed for roadway design, they have provided him with experience for all project components.

Education + Registrations

BS, Civil Engineering, Missouri S&T

BS, Architectural Engineering, Missouri S&T

Professional Engineer Missouri #2022012928

ISI Envision Sustainability Professional

MoDOT Local Public Agency (LPA) Basic Training



Daniel Brown, PE, LEED AP, ENV SP
Principal-in-Charge
24 Years with Walter P Moore

Dan has more than 29 years of experience and has been involved in the development of civil engineering design solutions for public and private clients throughout Missouri and Kansas. As an award-winning engineer, Dan has supervised multiple teams of engineers, surveyors, engineering technicians, and construction inspectors. His experience includes roadway projects, urban drainage systems, sanitary sewer collection and treatment systems, water distribution system design and analyses, and site development. Dan will remain actively engaged on a daily basis throughout the project.

Education + Registrations

BS, Civil Engineering, University of Missouri

Professional Engineer Missouri #2001004563

LEED Accredited Professional

ISI Envision Sustainability Professional



Kent Monter, PE
Client Liaison
1 Year with Walter P Moore

Kent recently joined Walter P Moore to lead our Public Works Team. He brings 37 years of experience from both the public and private sectors. Kent began his career as a design/project engineer in the private sector. Following that experience, Kent spent 20 years at the City of Lee's Summit as the Development Engineering Manager. Having sat on both sides of the table, Kent has a unique perspective and approach to successfully executing public infrastructure improvement projects.

Education + Registrations

BS, Civil Engineering, University of Nebraska

Professional Engineer Missouri #2009023272

MoDOT Local Public Agency (LPA) Basic Training

Roadway Design: Project Experience



Project Details

- **Construction Cost:** \$11.3 million
- **Completion Date:** 2025

Wornall Road Reconstruction from 74th Street to 79th Street, Kansas City, MO

This high-profile project prioritized pedestrian and bicyclist safety. This full-width roadway reconstruction increased lane widths from 9 feet to 10 feet and reconstructed the commercial parking lots north of 75th Street. The new roadway includes new street lighting, implementation of permanent stormwater BMPs, and new concrete commercial drive approaches per KCMO Standards to improve access management. ADA and mobility improvements include the installation of a new traffic signal at 75th Street and Wornall Road and rectangular rapid flashing beacons at key pedestrian crossings. The project involved extensive coordination with utility companies and KCATA. Design limited right-of-way acquisition and maintained traffic throughout construction. Special emphasis was placed on encouraging citizen input throughout design.



Project Details

- **Construction Cost:** \$13.3 million
- **Completion Date:** 2024

NW Waukomis Drive Complete Streets Upgrade , Kansas City, MO

Walter P Moore designed approximately 6,100 feet of Waukomis Drive from I-29 to just past NW 62nd Street. The project created a two-lane divided roadway with a landscaped median incorporating permanent BMPs for stormwater quality. An existing 24-inch water transmission main serving Kansas City International Airport ran along the corridor; due to conflicts with the improvements, its condition, and limited capacity, it was replaced with a new 36-inch main. To improve safety and operations at the offset intersections at 60th and 62nd Streets, the team designed a unique single-lane “peanut” roundabout that accommodated WB-67 trucks, bicycles, and pedestrians within the existing width constraints. The completed improvements delivered a new parkway-style corridor with sidewalks, bike lanes, and trails providing enhanced connectivity, including to the nearby Line Creek Trail.



Project Details

- **Construction Cost:** \$2.9 million
- **Completion Date:** 2022

Chouteau Parkway Improvements and Trail Connection, Kansas City, MO

When increased traffic volume at the interchange of Chouteau Parkway/ MO-260 and I-35 began causing major problems, the City of Kansas City asked Walter P Moore to design an alternative that would make the 1950’s-era roadway more responsive to today’s traffic demands. Walter P Moore’s approach to this tight urban diamond interchange incorporated road widening and signal improvements, with traffic control and phasing to maintain access during construction. Our design further enhanced the pedestrian and recreational usability of the corridor by incorporating a pedestrian/bicycle connection along the parkway, adding a 10-foot-wide multi-purpose sidewalk, crosswalks, and ADA-compliant sidewalk ramps.



Walter P Moore is an international company of engineers, architects, innovators, and creative people who solve some of the world’s most complex structural, technological, and infrastructure challenges. Providing structural, diagnostics, civil, traffic, parking, transportation, enclosure, technology consulting, and construction engineering services, we design solutions that are cost- and resource-efficient, forward-thinking, and help support and shape communities worldwide. Founded in 1931, our 1,000+ professionals work across 27 U.S. offices and eight international locations.

MISSOURI OFFICE

1100 Walnut Street, Suite 1825 · Kansas City, Missouri 64106
 Established: 1972 (Acquired by Walter P Moore in 1999)

INFRASTRUCTURE

- Civil Engineering
- Traffic Engineering
- Transportation Engineering
- Water Resources Engineering

STRUCTURES

- Structural Engineering
- Enclosure Engineering
- Parking
- Secure Design
- Construction Engineering

DIAGNOSTICS

- Restoration & Renovation
- Enclosure Diagnostics
- Parking Restoration
- Forensic Analysis

TECHNOLOGY

- IT Managed Services
- Cybersecurity
- Software Development
- Immersive Collaboration

FOUNDED

1931

INCORPORATED

1966

TOTAL STAFF COUNT

1000+

LICENSED PROFESSIONALS

313

Infrastructure

Civil Engineering

- Master Planning
- Land Development
- Site Development
- Roadway Design
- Utility System Design
- Geomorphology

Traffic, ITS, and Transportation Planning

- Transportation Planning
- Traffic Engineering Studies
- Traffic Engineering Design
- Intelligent Transportation Systems

Transportation Engineering

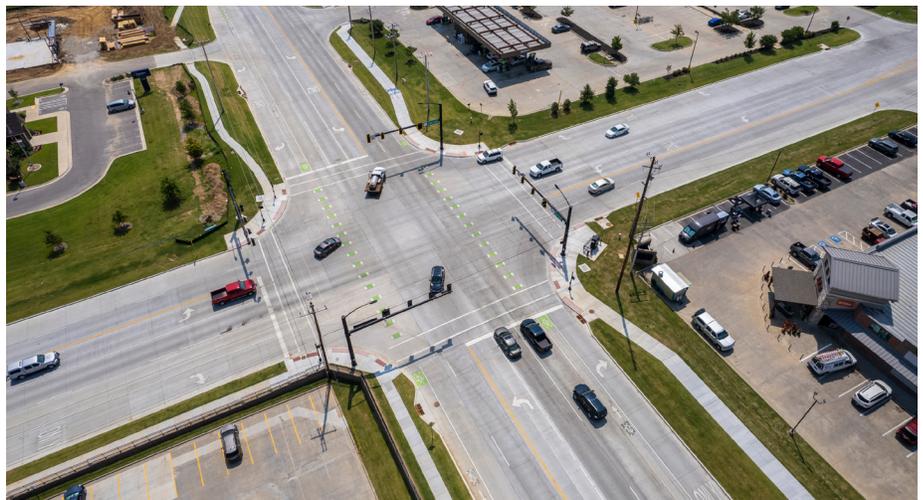
- Highways / Toll Roads / Roadways
- Transportation Structures

Water Resources Engineering

- Water Supply
- Floodplain Management
- Storm Water Services

Thriving, vibrant communities begin with intelligent engineering. We know this from firsthand experience. We collaborate with architects, owners, and public agencies to meet the challenges inherent in providing new infrastructure and maintaining existing facilities.

Our complementary services include civil engineering, traffic engineering, transportation engineering, and water resources engineering, laying the groundwork for dynamic places and spaces. Our passion drives us to find better solutions for our client's needs while maintaining the public's trust. We leverage teamwork and expertise across our entire platform of resources to provide an extraordinary client experience. Our proactive involvement and innovative ideas allow us to provide cost-effective and community-enhancing solutions.



Structures Group

Structural Engineering

- New Building Design
- Building Expansions
- Adaptive Reuse
- Seismic Design and Retrofits
- Structural Peer Review

Enclosure Engineering

- Performance Specification
- Design Criteria Development
- Façade Structural Design
- Procurement Guidance
- Performance Validation

Construction Engineering

- Long Span Roof Erection Steel Connection Design
- Temporary Underground Structures
- Steel Fabrication Optimization

Parking

- Design Team Project Management
- Parking Consulting
- Parking Design
- Construction Engineering
- Long Span Roof Erection Engineering
- Steel Connection Design
- Temporary Underground Structures
- Steel Fabrication Optimization

Secure Design

- Threat and Protection Criteria
- Blast Design
- Bullet and Forced Entry
- Resistant Design
- Glass Hazard Mitigation
- Progressive Collapse Design and Analysis
- Vehicle Impact Design
- Structural Retrofits and Hardening

Walter P Moore's Structures Group offers an integrated suite of engineering services that provide value-based solutions for clients worldwide. We collaborate with architects, owners, and builders to develop elegant, cost-efficient, and constructible structural systems for buildings of all types, focusing on those with the most interesting and challenging opportunities.

Our complementary services include enclosure engineering, parking consulting, construction engineering, secure design, sustainability, and structural diagnostics, providing a holistic design approach that brings value at every step in a structure's life cycle. Our passion drives us to find better solutions for our client's challenges across a broad spectrum of project types and locations. Sports venues, airports, hospitals, convention centers, performance venues, and tall buildings are among our most active sectors. We leverage teamwork and expertise across our entire platform of resources to provide an extraordinary client experience. For us, innovation is a design imperative, not optional. Finally, we strive to be engineering leaders at every stage of each project, bringing ideas and stewardship to our client's visions and our world's resources.



Diagnostics

Enclosure Diagnostics

Enclosure Assessment/Repair/
Recladding/FISP
Waterproofing (Above/
Below-Grade)
Roofing
Enclosure Design Assist/Full Design
Enclosure Commissioning
Third-Party Enclosure
Design Review
Facade Access and Maintenance
Performance Modeling/
Building Health

Forensic Analysis

Failure Analysis
Litigation Support
Insurance Claims Consulting
Premises Liability
Emergency Response
Fire Damage Assessment/Repair
Vibration Consulting

Parking Restoration

Parking Structure Assessment
and Repair
Capital Asset Management
Plan (CAMP)
Durability and Life-Cycle Analysis

Restoration / Renovation

Structural Assessment/
Strengthening
Bridge Assessment/Rehabilitation
Historic Restoration
Stadium/Venue Restoration
Flood Mitigation
Corrosion Mitigation
Materials Consulting
Nondestructive Evaluation
Structural Peer Reviews

Walter P Moore helps clients maximize their return on building investment. Backed by a long history of successful engineering and forensic analysis, our Diagnostics staff consists of licensed professional engineers, registered architects, and building enclosure consultants that assess existing conditions and determine causes of distress. Our projects involve restoring and renovating structures and building enclosures. Existing structures are our main focus. We design practical, cost-effective solutions to restore and extend the life of your assets. Our in-house capabilities also include nondestructive testing, structural health monitoring, and complex structural analysis.

