Firm Profile

Walter P Moore is an international company of engineers, innovators, and creative people who solve some of the world’s most complex structural and infrastructure challenges. Providing structural, diagnostics, civil, traffic, parking, transportation, enclosure, 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 and headquartered in Houston, Texas, our 600+ professionals work across 17 U.S. offices and five international locations.

**BUSINESS FACTS**
- Founded 1931
- Incorporated 1966
- 604 Current Total Staff
- 516 Current Technical Staff
- 217 Licensed Engineers
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.
CIVIL ENGINEERING

The practice of civil engineering allows us to serve the communities where we live, work and play. We take our role seriously as advocates for a better quality of life, solving problems and creating great places. As civil engineers, our clients task us to develop creative, cost-effective solutions to oftentimes challenging problems. We provide quality based solutions for coordination of multiple private and public utilities in densely populated activity centers, for protecting critical infrastructure from rising flood waters, for sequencing the work in order to minimize the construction schedule, and for providing aesthetic, cost-effective, and functional designs.

› Land Development
› Site Development
› Master Planning

TRAFFIC ENGINEERING & ITS

More than 200 commercial, institutional, and industrial clients have received our help to address new and existing traffic planning, design, and management issues. We apply innovative techniques to traffic signal design, transit system planning, and traffic impact study projects. Walter P Moore considers all users of the transportation system including vehicles, bikes, transit, and pedestrians, in our plans and designs. Much of our work focuses on solving our clients’ existing and future traffic management challenges, while trying to help our clients reduce infrastructure improvement costs. Our commitment to distinctive engineering solutions and the highest technical standards help to provide our clients with unmatched service.

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

TRANSPORTATION ENGINEERING

At Walter P Moore, we understand the impact of transportation improvements, the need for sustainable development and transportation's role in improving a community's quality of life. We work with the latest analysis and design software for geometric design, transportation modelling, visualization, hydraulic modeling, cost estimating, and project scheduling and traffic management. Our experience allows us to manage and execute complex transportation projects through design excellence, dependable project delivery and exemplary client service.

› Highways / Toll Roads / Roadways
› Transportation Planning
› Transportation Structures

WATER RESOURCES ENGINEERING

Walter P Moore's Water Resources Group focuses on responsible water use and management to supply and protect the needs of communities, industry, agriculture, and the natural environment. This includes preserving our river systems, improving the quality of our streams, designing and implementing sound water management practices to accommodate ever-increasing demand, and developing innovative, predictive tools to manage risk, prevent loss of life and property, and mitigate damage.

› Floodplain Management
› Storm Water Services
› Water Supply
Highways and Roadways

Walter P Moore provides a full range of transportation engineering services, including planning and design of roadways, highways, toll roads, and transit systems. We have developed our practice to be an impactful team member, contribute innovative ideas, and be responsive to project schedules, aesthetics and cost efficiency. Our work is enhanced by analysis and design software for geometric design, 3D-modeling, cost estimating, project scheduling, and traffic management systems. Our depth of experience and managerial skills allow us to manage and execute complex transportation projects providing design excellence, dependable project delivery, and proactive client service.

CAPABILITIES

Highway Design

Walter P Moore engineers design safe, context-sensitive designs, often using alternative geometric design considerations to maximize safety and minimize delay. The end result is a roadway that fits with the environment, not one that divides it. We evaluate lifecycle costs of facilities to determine the optimal roadway solution.

Roadway Design

Providing new streets and thoroughfares and upgrading failing roadways and their related infrastructure is one of every urban area’s constant challenges. 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.

Route Studies and Schematic Design

The quickest route between Point A and Point B is not necessarily the safest. Our creative process determines the best alternative for transportation networks. Whether new routes or operational enhancements to existing facilities, Walter P Moore approaches the effort the same way—with safety as the paramount factor. We excel in teamwork and consensus building with multiple, diverse stakeholders.

Transportation Structures

Walter P Moore engineers recognize and respond to the variety of factors involved in safe and efficient transportation structure design. We follow rigorous design standards, variable loading conditions, long-term reliability, budgetary/schedule constraints, and aesthetic sustainable design. To learn more about our design of bridge, tunnels, and culverts click Transportation Structures.

Hydrology and Hydraulics

Transportation facilities have a need for Hydrology & Hydraulics service. New tools better predict the impact of rainfall, surface drainage and proposed transportation improvements on regional watersheds. Our overland sheet flow and concurrent pipe flow modeling has saved public transportation agencies millions of dollars in drainage improvements. To solve challenging problems, we combine intelligent engineering with geographic information systems in advanced hydraulic and hydrologic modeling.