



## PRACTICE AREAS

### Water Resources Engineering

Floodplain management  
Storm Water Services  
Geomorphology  
Water Supply

### Civil Engineering

Master Planning  
Land Development  
Roadway Design  
Site Development  
Utility System Design

### Traffic Engineering & ITS

Traffic Impact Assessment  
Traffic Management Plan and Simulation  
Integrated Green Mobility Plan  
Transport Plans  
Intelligent Transport System

### Transportation Engineering

Highways / Toll Roads / Roadways  
Transportation Structures

# Infrastructure Engineering Services



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KANSAS CITY  
LAS VEGAS  
LOS ANGELES  
NEW YORK CITY

OKLAHOMA CITY  
ORLANDO  
PANAMA CITY  
PUNE  
SAN FRANCISCO  
TAMPA

TORONTO  
TULSA  
VANCOUVER  
WASHINGTON, D.C.  
THE WOODLANDS

## 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.

Walter P Moore provides comprehensive civil engineering services, including project development and management, design and construction oversight for all types of infrastructure projects. Our project experience includes land and site development, public and private utility systems, drainage studies and streetscape improvements.



### CAPABILITIES

Master Planning	Roadway Design
Site	Local Streets
Utility System Design	Thoroughfares
Large Development	Master Planning
Campus Design	Intersections
Drainage	LID / Green Infrastructure
Sustainable Sites	
	Site Development
	Site Design
Land Development	Site Assessment
Special Funding Districts	Master Planning
Site Assessment	Governmental Relations /
Master Planning	Permitting
Campus Design	Sustainable Design and
Governmental Relations /	Certification
Permitting	Utility System Design
Sustainable Design and	Drainage Municipal
Certification	Systems
	Franchise Utilities

## Water Resources Engineering

Walter P Moore's water resources engineering services provide innovative engineering solutions for floodplain and water resources management. The results are cost-effective, environmentally responsible, and optimally designed to meet long-term needs. We create solutions for floodplain management, storm water management, erosion and scour mitigation, and flood protection. They result from our collaboration with owners and other stakeholders, including the design team, citizens, agency representatives, and others.

Our engineering is combined with current technologies—geographic information systems; Hydrologic and Hydraulic modeling of surface, channel and pipe flow, and radar-derived rainfall data—to offer effective solutions to challenging drainage issues.



### CAPABILITIES

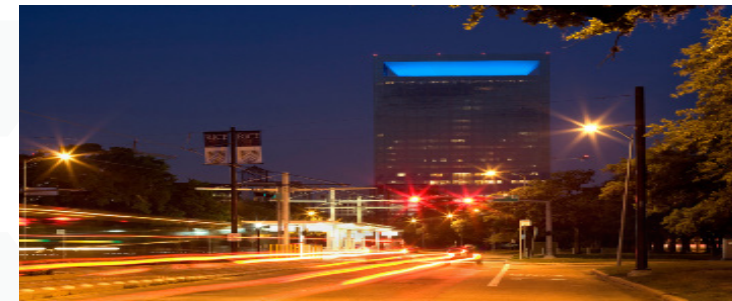
Floodplain management	Geomorphology
Floodplain Studies	Stream Bank Restoration
Flood Control Works /	Scour Studies
Facilities	Erosion Control
Flood Warning Systems	
Dam Safety	Water Supply
Forensic Analysis	Water Supply System
GIS Mapping and	Master Planning
Digitization	Sustainable Water Systems
	Reservoir Planning and
	Design
	Water Distribution Systems
Storm Water Services	
Drainage Master Planning	
Drainage System Design	
Water Conservation	
Applications	
Stream Restoration	
Storm Water Quality	

## Traffic Planning, ITS & Road Safety

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 client's 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.

We have inhouse Traffic analysis software including VISSIM/VISSUM, CUBE, SYNCHRO, VISTRO, VISWALK. Our scientific study helps both government as well as private clients for improved mobility.



### CAPABILITIES

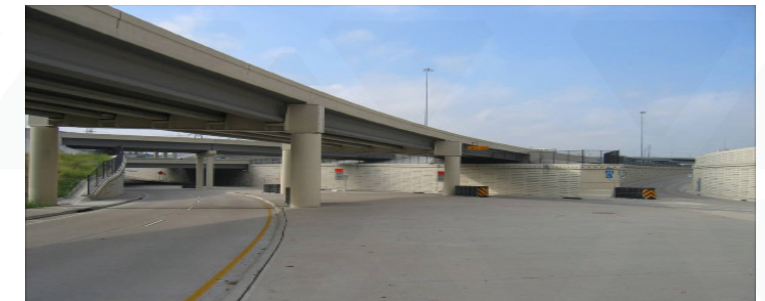
Traffic Studies	Intelligent Transport System
Traffic Impact Assessment	Signal co-ordination and
for Environmental	synchronisation
Clearance	Central traffic controlling
Traffic Management Plans	system
Signal Synchronisation	Toll collection
studies	
Traffic Simulation	Traffic surveillance system
	Emergency services -
Transportation Planning	Ambulance / Fire Brigade
City Mobility Plans	vehicles etc.
Transit Oriented	Real-time traffic
Development	management system
Multi-modal integration	
plan	
Parking Master Plans	
Road Safety Audit	
Transportation Models	

## Transportation Engineering

We understand the impact of transportation improvements, the need for sustainable development and transportation's role in improving a community's quality of life. Our full range of transportation services includes planning and design of roadways, freeways, toll facilities, bridges and water resources.

We work with latest analysis and design software for geometric design, transportation modelling, hydraulic modelling, cost estimating, 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.



### CAPABILITIES

Highways / Toll Roads /	Transportation Structures
Roadways	Highway Bridges
Highways and Toll Roads	Rail Bridges
Design	Flyovers and Grade
Route Studies and	separators
Schematic	Underpasses
Design	Culverts and CD structures
Hydrology and Hydraulics	Pedestrian Bridges
Feasibility Studies	
Bridge Inspection	
Transportation Planning	
Regional Planning	
Urban / Livable Centers	
Campus Planning	
Special Districts	
Funding Strategies	