

**P Daily Spaces**  
Level 6  
Level 5   
**LEFT LANE**

**P Daily Spaces**  
Level 4  Level 1   
Level 3  LL1   
Level 2  LL2   
**RIGHT LANE**

**↑**  
**ONLY**

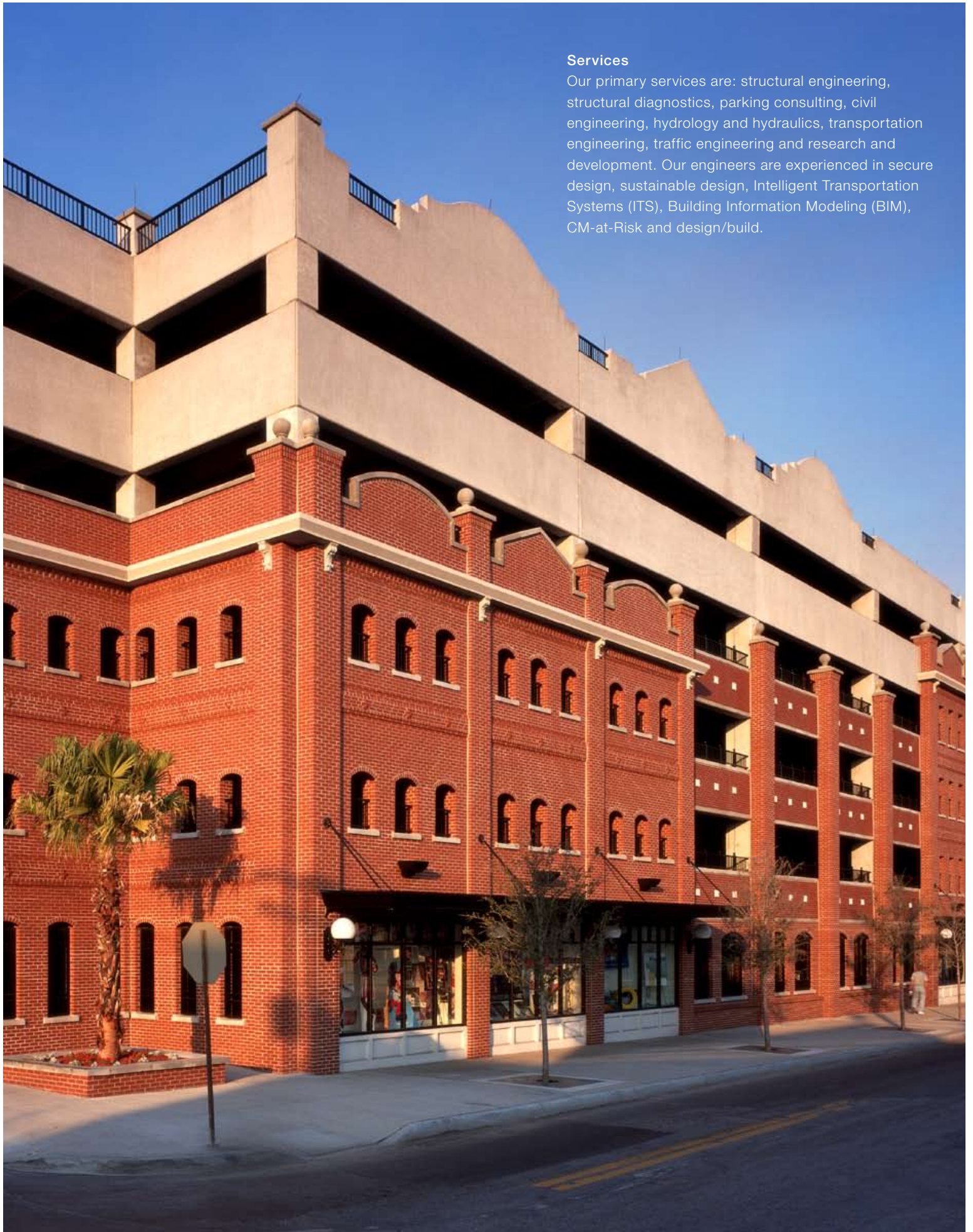
**NO TRUCKS OR TRAILERS  
OR BUS TRUCKS**

ENGINEERING AND CONSULTING FOR  
**PARKING STRUCTURES**

WALTER P MOORE

### Services

Our primary services are: structural engineering, structural diagnostics, parking consulting, civil engineering, hydrology and hydraulics, transportation engineering, traffic engineering and research and development. Our engineers are experienced in secure design, sustainable design, Intelligent Transportation Systems (ITS), Building Information Modeling (BIM), CM-at-Risk and design/build.



YBOR CITY GARAGE, TAMPA, FLORIDA  
PHOTOGRAPH: STEVE WIDOFF

## Parking Structures

As the value of urban acreage spirals upward, as people demand greater convenience, the functionality of parking facilities is driving their design (so to speak).

### Parking for the Generator

We Americans love our cars. There are about 300 million of us, along with about 1.7 vehicles per household. When these cars leave home, it is most often with one occupant. These stats, as much as anything, explain not only the dramatic growth of parking garages in the US in recent years, but also their ever-increasing sophistication. Functionality of use has replaced optimum number of spaces as the holy grail of design. And what constitutes functional for a casino's garage can be very different from one designed to serve a hospital. The majority of our work involves designing parking garages to suit the places they serve.

### A Non-event Surrounding 'the' Event

For people on crutches and in wheelchairs, flat surfaces are easier to negotiate than ramped ones. Automated pay systems reduce operational costs. Travelers searching for a parking space can miss flights. And nobody wants to spend almost as much time entering and exiting a garage as they do enjoying a concert or sports game. Different destinations require different garages. Our professionals design with the ultimate destination in mind. We understand the economics and the interface dynamics.

In just a few years, we've been responsible for, among others: the "smart garage" at Dallas-Fort Worth (DFW) International Airport's Terminal D, the first and largest consolidated rental car facility for Hartsfield-Jackson International Airport in Atlanta, and The Parking Access and Revenue Control System and Space Availability System in Houston's Toyota Tundra, one of the most advanced control systems in the country.

As garages become larger and costlier, like the 8,200-car Terminal D garage at DFW International Airport or the Bellagio hotel's 5,200-car, 10-level employee garage in Las Vegas, electronic directional and payment systems are becoming the norm. Design configuration, lighting standards, traffic engineering, site planning and equipment selection are of increasing importance.

The reality is that parking garages can be people places, predictably efficient, hassle-free and even pleasant. A non-event.



DFW TERMINAL D AND GARAGE, DFW, TEXAS  
PHOTOGRAPH COURTESY HKS



TOYOTA CENTER GARAGE, HOUSTON, TEXAS  
PHOTOGRAPH COURTESY MARK GREEN

### What We Do

Founded in 1931, Walter P Moore is headquartered in Houston, Texas, with more than 375 professionals in full-service offices from coast to coast.

Our structural, structural diagnostics, civil, traffic and transportation engineers and parking consultants help clients turn their ideas into reality, from healthcare, research and education facilities to corporate campuses, airports, sports stadiums, convention centers, entertainment centers and urban roadway systems and other infrastructure. Our clients are architects, corporations, institutions, developers, government agencies and contractors. If all of our work with them were put together, it would form a vibrant city with every functional and discretionary amenity, great mobility, superior disaster protection and a plan for the future. A city that works because *our solutions work*.

# WALTER P MOORE

AUSTIN CONVENTION CENTER HOTEL GARAGE, *AUSTIN, TEXAS*  
BOB BULLOCK TEXAS STATE HISTORY MUSEUM GARAGE, *AUSTIN, TEXAS*  
BAPTIST HOSPITAL OF MIAMI GARAGE, *MIAMI, FLORIDA*  
CENTRAL HOUSTON, INC. PARKING SUPPLY AND DEMAND STUDY, *HOUSTON, TEXAS*  
CHASE BANK PARKING OPERATOR SELECTION, *HOUSTON, TEXAS*  
CITY OF NORFOLK GARAGE PROGRAM, *NORFOLK, VIRGINIA*  
CITY OF PORTLAND VALIDATION PARKING STUDY, *PORTLAND, OREGON*  
FERNANDO NORIEGA, JR. PALM AVENUE GARAGE, *YBOR CITY, FLORIDA*  
HARRIS COUNTY PARKING GARAGE, *HOUSTON, TEXAS*  
HARRIS COUNTY PARKING FACILITIES AUDIT, *HOUSTON, TEXAS*  
HILTON AMERICAS CONVENTION CENTER HOTEL GARAGE, *HOUSTON, TEXAS*  
HOBBY CENTER FOR THE PERFORMING ARTS GARAGE, *HOUSTON, TEXAS*  
HOBBY CENTER PARKING OPERATOR SELECTION, *HOUSTON, TEXAS*  
INTERNATIONAL TERMINAL D SMART GARAGE, DFW AIRPORT, *DFW, TEXAS*  
INTERNATIONAL ARRIVALS TERMINAL GARAGE,  
BUSH INTERCONTINENTAL AIRPORT, *HOUSTON, TEXAS*  
JOHN P. MCGOVERN COMMONS GARAGE, *HOUSTON, TEXAS*  
MARQ-E GARAGE, *HOUSTON, TEXAS*  
MCKINNEY PLACE PARKING GARAGE, *HOUSTON, TEXAS*  
MEDICAL CENTER PARCS SPECIFICATIONS AND  
WAYFINDING GRAPHICS PROGRAMMING, *HOUSTON, TEXAS*  
MEMORIAL HERMANN GARAGE, *HOUSTON, TEXAS*  
MEMORIAL HERMANN HOSPITAL,  
MEMORIAL CITY PARKING EQUIPMENT STUDY, *HOUSTON, TEXAS*  
PRINCETON BAPTIST HOSPITAL PARKING GARAGE, *BIRMINGHAM, ALABAMA*  
SEATTLE PARK GARAGE, *SEATTLE, WASHINGTON*  
MULTIPLE MEDICAL CENTER GARAGES, *HOUSTON, TEXAS*  
TEXAS SOUTHERN UNIVERSITY ENNIS & CLEBURNE GARAGE, *HOUSTON, TEXAS*  
TOYOTA TUNDRA GARAGE, *HOUSTON, TEXAS*  
TOYOTA CENTER PARKING OPERATOR SELECTION, *HOUSTON, TEXAS*  
UNIVERSITY OF ST. THOMAS GARAGE, *HOUSTON, TEXAS*  
UNIVERSITY OF TEXAS AT EL PASO GARAGE, *EL PASO, TEXAS*  
THE WOODLANDS TOWN CENTER PARKING STUDY  
(SUPPLY AND DEMAND), *THE WOODLANDS, TEXAS*

## *ON THE COVER*

INTERNATIONAL TERMINAL D SMART GARAGE, DFW AIRPORT,  
DFW, TEXAS  
PHOTOGRAPH COURTESY HKS

800.364.7300

[WWW.WALTERPMOORE.COM](http://WWW.WALTERPMOORE.COM)

ATLANTA AUSTIN DALLAS EL PASO HOUSTON KANSAS CITY  
LAS VEGAS LOS ANGELES ORLANDO SAN FRANCISCO TAMPA TULSA