



ENGINEERING FOR  
**AIRPORTS**  
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.

# Airports

Air travel is about much more than going around the world. It's about making the world go 'round.

## Change Is in the Air

Airports today face challenges unimaginable 50 years ago, when we first provided engineering services at Houston's Intercontinental Airport. More passengers and cargo—and more competition for both. New regulations for safety, security and environmental sustainability. New types of aircraft, big and small. More technology. More services. And the role of airports in keeping world commerce humming is huge and growing.

## ...and on the Ground, Too

With passenger growth projected to double every 15 years and cargo tonnage keeping pace, airports have to operate in the present while anticipating the future. Welcome to the global marketplace. Our work at some of the world's busiest airports involves us in this evolving continuum. It encompasses structural engineering, structural diagnostics, secure design, parking consulting, and ITS/traffic engineering for new and renovated terminals, parking garages and rental car facilities, and for automated people movers and roadway infrastructure.

The issues our engineers address are voluminous (and sometimes conflicting). Among them: supporting architectural design to accommodate efficiency within the terminal, between terminals, and in parking and rental car access. But also to accommodate the spectacular in aesthetics (since travelers have choices about where they fly in and out of). Whether we engineer for blast resistance (the new terminal in Las Vegas' McCarran International); or the largest rental car facility in America (Atlanta's Hartsfield-Jackson International); or for open, flexible spaces (Tampa International, Orlando International, Dallas-Fort Worth International, McCarran); or for mixed uses (virtually all), we understand the imperative to serve many audiences. So, we think like airport owners, airlines, architects, contractors, passengers, retailers, regulators, and state, city and county governments. And for a simple reason: to get ahead of tomorrow, today—and do it together.



INTERNATIONAL ARRIVALS TERMINAL,  
GEORGE BUSH INTERCONTINENTAL AIRPORT, HOUSTON, TEXAS  
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DFW INTERNATIONAL TERMINAL D, DFW, TEXAS  
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## 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

## TERMINAL FACILITIES

*CORPUS CHRISTI INTERNATIONAL AIRPORT, CORPUS CHRISTI, TEXAS*  
TERMINAL REDEVELOPMENT

*DFW INTERNATIONAL AIRPORT, DFW, TEXAS*  
INTERNATIONAL TERMINAL D

*GEORGE BUSH INTERCONTINENTAL AIRPORT, HOUSTON, TEXAS*  
INTERNATIONAL SERVICES EXPANSION, TERMINAL A & B RENOVATION STUDY,  
IAB TERMINAL IMPROVEMENTS, TERMINAL AREA TUG TUNNELS, APM EXPANSION PHASE 3

*HARTFIELD-JACKSON ATLANTA INTERNATIONAL AIRPORT, ATLANTA, GEORGIA*  
CONCOURSE D MIDPOINT EXPANSION

*MCCARRAN INTERNATIONAL AIRPORT, LAS VEGAS, NEVADA*  
INTERNATIONAL TERMINAL 3

*ORLANDO INTERNATIONAL AIRPORT, ORLANDO, FLORIDA*  
SOUTH TERMINAL COMPLEX, AIRSIDE 2 TERMINAL BUILDING,  
NORTHEAST TERMINAL EXPANSION, LANDSIDE TERMINAL IMPROVEMENTS

*ST. PETE/CLEARWATER INTERNATIONAL AIRPORT, CLEARWATER, FLORIDA*  
TERMINAL RENOVATIONS

*TAMPA INTERNATIONAL AIRPORT, TAMPA, FLORIDA*  
AIRSIDE A TERMINAL BUILDING, AIRSIDE B TERMINAL RENOVATION STUDY,  
AIRSIDE C TERMINAL BUILDING, AIRSIDE E TERMINAL BUILDING,  
AIRSIDE F TERMINAL BUILDING, LANDSIDE TERMINAL MODIFICATIONS

*VANDENBERG AIRPORT, BRANDON, FLORIDA*  
NEW TERMINAL FACILITY

## PARKING FACILITIES

*DFW INTERNATIONAL AIRPORT, DFW, TEXAS*  
INTERNATIONAL TERMINAL D PARKING GARAGE

*GEORGE BUSH INTERCONTINENTAL AIRPORT, HOUSTON, TEXAS*  
INTERNATIONAL ARRIVALS BUILDING GARAGE,  
INTERNATIONAL FACILITIES EXPANSION PARKING DECK

*HARTFIELD-JACKSON ATLANTA INTERNATIONAL AIRPORT, ATLANTA, GEORGIA*  
CONSOLIDATED RENTAL AGENCY COMPLEX

*ORLANDO INTERNATIONAL AIRPORT, ORLANDO, FLORIDA*  
AIRPORT PARKING DECK (OWNER'S CONSULTANT),  
SOUTH TERMINAL PARKING GARAGE/RENTAL CAR FACILITY

*TAMPA INTERNATIONAL AIRPORT, TAMPA, FLORIDA*  
REMOTE ECONOMY PARKING GARAGE,  
LANDSIDE PARKING GARAGE MODIFICATIONS  
(FOR LONG-TERM SHUTTLE ADDITION)

## ON THE COVER

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

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LAS VEGAS LOS ANGELES ORLANDO SAN FRANCISCO TAMPA TULSA