

Innovation in a Parking Operation or Program

LADOT Express Park; Los Angeles, California

Project Team:

- Owner: City of Los Angeles, California, Dept. of Transportation
- Project Manager: LADOT Parking Meters Division
- Prime Contractor: Xerox State & Local Solutions
- Pricing Engine Developer: Xerox Innovation Group



Does intelligent parking management reduce time spent cruising for parking and related traffic congestion and associated pollution? The Los Angeles Department of Transportation (LADOT) recently put this concept to the test. From June 2012 through February 2014, its downtown LA Express Park™ operated as a U.S.-sponsored demonstration site for a complete intelligent transportation system (ITS), using vehicle sensors and a real-time parking guidance system to optimize the use of public on- and off-street parking. Sensor data showed that the demand for parking remained high through the evening in many areas, so the city extended enforcement hours to 8 p.m. It eliminated rate zones and adjusted fixed rates based on each blockface's demand patterns. When occupancy data suggested that a day-long fixed rate did not match variance in demand, the city substituted three Monday-to-Friday pricing periods and an all-day Saturday rate. By pricing each block based on occupancy thresholds, LADOT was able to increase parking availability and reduce circling for spaces.

Best Parking Facility Rehabilitation or Restoration

Memphis International Airport Ground Transportation Center; Memphis, Tennessee

Project Team:

- Owner: Memphis Shelby County Airport Authority
- Project Management, Parking Consultant, and Structural Engineer: Walker Parking Consultants, Inc.
- Concept Architect: OGCB Incorporated Electrical Engineer of Record: LRK, Inc.
- Architect-of-Record: Self + Tucker Architects
- Program Manager: Parsons Transportation Group Inc.
- General Contractor: Walker Restoration Consultants, Inc., Restoration Engineering
- Flintco, Inc.
- Graphics and Wayfinding: Clark Dixon Associates
- Mechanical and Plumbing: GALA Engineering
- Roadways/Civil Engineering: Pickering Firm, Inc.
- Landscape Architect: Ritchie Smith Associates



Pedestrians are the beneficiaries of the Memphis International Airport's convenient pedestrian plaza between the terminal and the new Consolidated Ground Transportation Center. Portions of an existing short/long-term parking structure were removed to create an attractive, canopy-covered atrium with moving walkways, water features, landscaped areas, and outdoor speakers that broadcast music from local artists. Its electrical and mechanical systems are controlled from the airport's central control system. The airport's parking facilities also underwent major repairs, including concrete resurfacing, traffic topping replacement, installation of latex-modified overlays, re-striping, expansion joint replacement, and floor strengthening. Architectural improvements included lighting of pedestrian tunnels, structural upgrades to support vehicle loads on a pedestrian bridge, a new infill valet ramp, and license plate recognition (LPR) systems. To avoid holiday traffic, repairs were selectively phased, and employee and overflow parking were temporarily relocated. Signage and dedicated construction-access roads helped avoid backups, and temporary masking boards separated the usable areas of the garage from the construction zone.

Award for New Sustainable Parking and Transportation Facilities Excellence

Boston Common Garage; Boston, Massachusetts

Project Team:

- Owner: Massachusetts Convention Center Authority
- Executive Director: James E. Rooney
- Director of Facilities Operations: Fred Peterson
- Account Manager: Dave Levesque, Amano McGann
- Facility Manager: Sammy Yemane, SP+ Corporation



The Boston Common Garage, a 1,300-space facility located underneath America's oldest public park, is as green below as it is above. From new EV charging stations to a partnership with the Zipcar car-sharing service, the garage is one of the most environmentally-friendly in the city. Zipcar and hybrid vehicles were given priority parking near the garage's four kiosks that lead to the Common, and a centralized parking area for EVs and hybrids was branded to create a visible and convenient presence for the green effort. Entry and exit gates were automated to cut down