



## Passenger Boarding Bridge Assessment HARTSFIELD-JACKSON ATLANTA INTERNATIONAL AIRPORT

### OWNER

Hartsfield Planning Collaborative

### SCHEDULE

July 2009

### SCOPE OF SERVICES

Equipment Assessments  
Development of ROM Costs



The Hartsfield Planning Collaborative (HPC) commissioned CAGE Inc. to perform a comprehensive evaluation of 76 passenger boarding bridges at Hartsfield-Jackson Atlanta International Airport. The primary objective of this work was to report on the existing condition of the equipment and to outline repair recommendations to maintain a reliable operation, value and expected life. Under the program, CAGE identified recommendations based on the passenger boarding bridge serviceability and budgetary rough order of magnitude (ROM) costs for assessment recommendations in support of the Department of Aviation's forecasts for operating budgets and upcoming lease negotiations with the user airlines.

CAGE inspected and operated a variety of bridges, ranging in age from just a few years old to those that were installed over 20 years ago. In order to get the most comprehensive evaluation of each bridge, CAGE inspected each from a safety, mechanical, structural, electrical and even a cosmetic standpoint, using both visual inspections of the various components and operating the bridges to their designed limits to assess how well or poorly the bridge's systems and subsystems were functioning. Once the data was compiled on each bridge, CAGE looked at the serviceability, or condition at which the equipment would still be considered useful, to determine what items needed to be inspected further, repaired or replaced to extend the useful life of the equipment.

Specifically, CAGE's project elements for professional services included:

- Comprehensive field assessment of each passenger boarding bridge, detailing the condition of the overall structural, electrical and operating components of the equipment.
- Development of ROM price estimates based on recommendations to repair inoperable equipment, components, systems and subsystems.
- Development of current market value for each passenger boarding bridge reflecting an estimate on what the specified piece of equipment could be worth on the open market.
- Comprehensive written report of findings.