AVIATION: Path to Recovery

Assisting our airport clients with navigating COVID-19 operational impacts through implementation of recovery and mitigation initiatives
WSP has the expertise and tools to identify and implement short-term and long-term plans to assist airports in navigating operational impacts.

Our world-class experts can quickly assess your operations and passenger metrics, supporting confident and intelligent decisions. Our industry-leading modeling experts will evaluate scenarios that simulate impacts in order for you to be confident the provided solutions will meet the best-practices in safety while optimizing operations.

Our advisory professionals will identify financing opportunities and assist in the application for grant funding to offset the impacts of lost revenue. We can also help airports prioritize CIPs and deployment of financial and other resources on vital near-term projects.

WSP has the operational know-how and tools to assist airports make adjustments needed for the path to recovery and safeguarding of future operations.
RETHINK THE PASSENGER JOURNEY

OUTBOUND

We can help you find opportunities to improve passenger experience.

TSA Checkpoint
- Automated queue management
- Automated disinfectant systems for high frequency touch items/surfaces

Airport Entry
- Queue management systems
- Temperature check stations
- Optimize passenger drop-off modes of transportation

Concourse
- Automated sanitation kiosk
- Maximize click-and-collect retail purchases
- Manage physical distancing through capacity check simulators

Hold Rooms
- Physically distanced seating configuration
- Maximize click-and-collect concessions
- Minimize gate queues with (call-to-gate systems)

Ticketing
- Ticket counter protective screens
- Social distancing floor makers

Outbound Baggage
- Automated disinfectant incorporated in baggage systems
- Ensure proper PPE for staff handling baggage (TSA and airline staff)

Departure
- Limited queuing
- Self-boarding technology
- Sanitation systems at jet bridge
RETHINK THE PASSENGER JOURNEY

INBOUND
We can help you find opportunities to improve passenger experience.

- **Aircraft Arrival**
  - Regulate disembarkation
  - Physical distancing on PBBs
  - Passenger/worker protection measures
  - Quarantine space for symptomatic people
  - Signage and announcements to encourage physical distancing

- **FIS/Customs**
  - Physical distancing markers
  - Counter configuration
  - Gloves for handled passports
  - Touchless passport scan
  - Facial recognition biometrics

- **Baggage Claim**
  - Offer off-site delivery options
  - Mitigate queuing with call-to-bag claim automated system
  - Explore use of dedicated app to retrieve bag

- **Flight Guidelines**
  - Support airline passenger processing procedures

- **Arrivals Hall**
  - Bathroom sanitation with hand sanitizer available
  - Digital concessions
  - Social distancing at queuing
  - Improved HVAC systems

- **Airport Exit**
  - Leverage multi-modal
  - Increased pick-up areas
  - Expand queuing areas
  - Temporary cell phone lots
TAKE ACTION TO MAXIMIZE OPERATIONAL EFFICIENCY

We have the experts and technology to develop strategies for immediate action and long-term solutions for service planning and infrastructure design.

Airport Simulation Technology

- Identify and mitigate physical distancing bottlenecks
- Optimize operating costs versus passenger demand
- Intelligent decision making
- Assess infrastructure needs versus anticipated demand
- Maximize efficiency and utilization of facilities

Capacity Effects of Physical Distancing

Before Physical Distancing

After Physical Distancing
OFFSET THE IMPACT OF REVENUE LOSS

Anticipate new funding opportunities and execute sound funding management

Maximize Financial/Funding Opportunities

- Funding/revenue forecasting and needs analysis
- Federal, state and local funding options evaluation
- Evaluation of projects for grant competitiveness
- Development of grant applications
- Life-cycle cost analysis and strategic asset management plans
- Scenario planning and risk assessments
- Schedule assessments and forecasts
- Re-examination and prioritization of capital planning
- Future Ready™ sustainability and resiliency evaluation
- Regional economic and cost-benefit analysis
- Management, coordination, tracking and reporting of recovery efforts
- Procurement management support

Recovery Strategy and Grants

WSP USA has helped clients secure over $10 billion in airport revenue bond financing and nearly $5 billion in PFCs for capital project development.

We have worked with over 100 airports on financial/management matters and have assisted in the preparation of strategic funding and financing plans, as well as applications for PFCs, AIP grants, and other federal discretionary grant programs, such as the BUILD grant program.

WSP can play a variety of strategic and capital program management roles, helping clients make smart investment decisions for their projects.
REFOCUS CAPITAL IMPROVEMENT PROGRAMS TO MEET OPERATIONAL CHALLENGES

Our experts are ready to assist airports refocus their CIPs to meet new challenges, utilizing latest technologies and industry best practices.

Helping Our Clients Refocus CIP Priorities

- Short-Term Infrastructure Modifications for Long-Term Flexibility
- Re-Examine Sequencing of Projects
- Indoor Quality and MEP System Improvements
- Technology Connectivity with Passengers
- Monitor Transportation Trends: Nimble & Flexible
  - AIP Funding for Airfield Infrastructure
  - Recapture Revenues: Industry, Cargo, Airport Land-Use

We are CIP Experts

In the two months post COVID-19, WSP has helped our airport clients refocus and re-prioritize over 200 projects and over $2.5 billion in capital improvement funds.
Boston Medical Center Rapidly Reopens Medical Building for Pandemic Care
In three weeks, WSP helped upgrade an unoccupied medical building into a facility that is providing homeless Boston citizens with a place for care and quarantine during the COVID-19 pandemic.

ATLNext: COVID Responsiveness
The WSP team assisted the client in being remote-ready so that ATLNext program and airport work could be sustained through quarantines and social distancing directives. We helped deploy and activate 125 devices to quickly move an entire workforce into working from home, a major cultural change for a client that has not previously adopted teleworking practices.

USPS Facility COVID-19 Decontamination & Disinfection
Two United States postal workers tested positive on a Friday. WSP mobilized Saturday morning and performed a disinfection sweep of the facility by midnight Sunday, allowing it to reopen immediately. Disinfection of the three-floor, 1,000,000-square-foot building was performed per USPS requirements and inspected by a WSP Certified Industrial Hygienist (CIH) to ensure that the specified procedures were followed.

COVID-19: Hong Kong Engineers Transform Shipping Container into High-Tech Isolation Room
Modular system developed by pro bono team could be used to build fully functional hospital in six weeks.
WE ARE READY TO IMAGINE YOUR TOMORROW

PLANNING
John van Woensel

FINANCIAL ANALYSIS & GRANT MANAGEMENT
Tracy Beach

PASSENGER MODELING
Gaël Le Bris

TECHNOLOGY INTEGRATION
Steven Ziegler

BAGGAGE HANDLING
Craig Hartley

WAYFINDING & SIGNAGE
Nick Garcia

TERMINAL DESIGN
Franco Marinaro

COMMUNICATIONS & PUBLIC INVOLVEMENT
Darrel Cole

BUILDING ENGINEERING
Jay Wratten

FINANCIAL PLANNING
Lou Wolinetz
ABOUT WSP
WSP USA is the U.S. operating company of WSP, one of the world’s leading engineering and professional services firms. Dedicated to serving local communities, we are engineers, planners, technical experts, strategic advisors and construction management professionals. WSP USA designs lasting solutions in the buildings, transportation, energy, water and environment markets. With almost 10,000 employees in over 160 offices across the U.S., we partner with our clients to help communities prosper.

CONTACT
Theodore Gargagliano
(t) 813-951-0157
(e) theodore.gargagliano@wsp.com

David Cerione
(t) 305-970-4615
(e) david.cerione@wsp.com

wsp.com