Partnering with clients to safely deliver capital programs and projects in a pandemic environment, with a safe return to operations and solutions for the new normal.
As program management operations begin or resume in the new normal, and construction sites become active once again, owners are facing unprecedented return-to-operations challenges. New safety procedures often indicate a possible need for renewed program planning and program reassessment to avoid cost and schedule impacts. These activities may include project re-prioritization, reassessment of the program risk analysis and risk mitigation strategies, and schedule adjustments associated with revised construction durations and sequencing.

Managing capital programs during a pandemic also comes with a new measure of success: safely guiding the delivery of projects in a pandemic environment. Employees and contractors must adhere to program-specific, local, state and federal COVID-19-related safety guidelines. AECOM program managers keep pace with these ever-evolving guidelines, and facilitate the establishment and implementation of procedures for various program participants, to assist in overseeing safety compliance.

We have the expertise and technologies to rapidly provide a program assessment to help our clients achieve program goals. From a reassessment of the initial risk analysis and mitigation strategies, to safety planning and remote inspections, our professionals can help you navigate this new normal.
“DIGITIZE” IS THE NEW “SANITIZE” WHEN IT COMES TO MANAGING CAPITAL PROGRAMS DURING THE PANDEMIC AND FOR THE FUTURE NEW NORMAL

During the pandemic, we suggest that in some cases, “digitize is the new “sanitize” when it comes to managing capital programs. Our innovative digital program management technologies can help you implement the strategies needed for safely returning to operations, and for long-term optimization of your objectives in the new normal.

Capital project management software, and shifting data to the Cloud is part of the new normal. Revenue streams may be more uncertain as a result of economic impacts from the coronavirus pandemic; our digital tools inform critical strategies to help clients accurately manage project funding and financing planning. As construction operations fully resume, our team can also provide ongoing financial monitoring.

One example of our innovative digital services is AECOM’s Revenue Optimization and Delivery Solutions, which provides a visualization of revenue optimization planning, and can incorporate projected COVID-19 impacts. Our revenue modeling also incorporates demand forecasting planning for post-pandemic mitigations.
Capital Improvement Program Review and Reprioritization
Program planning review and reprioritization of projects may be needed from the lens of pandemic-impact considerations and long-term optimization for the post-pandemic future. With the assistance of our financial modeling experts, we can provide value-creating data to plan for the new reality of a post-COVID-19 world. As your program manager, we serve your partner in continually revisiting assumptions and scenarios as more information unfolds.

Drone Construction Inspections and Monitoring
Limiting person-to-person interaction on a construction site may serve to reduce the potential for virus transmission. Our licensed drone pilots can provide remote construction inspection in partnership with our construction management professionals. The inspection videos become integrated into the digital daily inspection report.

Schedule and Budget Analysis
Time impacts associated with pandemic-related safety measure requirements and potential supply chain delays are significant considerations in the scheduling process. We provide time-impact analysis of schedules created pre-pandemic and for new programs, with recommendations for strategies to mitigate potential delays.

Safety Training
AECOM employs a full range of Safety, Health & Environment professionals, including certified industrial hygienists and public health and pandemic specialists. We offer project site personnel safety training for a wide range of issues including personal protective equipment, health screenings, safety reporting, general coronavirus awareness, and project-specific jobsite safety procedures.

Risk Analysis
Risk analyses created pre-pandemic may need to be re-assessed and updated with an analysis done through the lens of program management in the new normal. AECOM risk management experts are familiar with various potential impacts related to the pandemic, and can provide mitigation strategies to keep your projects on-track.

Grant Fund Management
We can help clients find, apply for and oversee grant funding and financing to help mitigate the impacts of lost revenue incurred as a result of the pandemic. Our services include grant research and application development, creating the project definition, collecting data, compiling the benefit-cost analysis, post-award grant management and administration, and project positioning targeting outcomes aligned with the assessment criteria.

Hosting of Virtual Public Meetings for AECOM Clients
AECOM has launched an interactive web-based tool that allows clients to hold virtual public meetings such as town halls. The platform allows our teams and clients to safely engage a large number of meeting participants for communication pertaining to the impact and benefits of proposed projects, or other types of community outreach such as engagement of the workforce.

Construction Site Safety Plan
A comprehensive COVID-19 exposure control plan may be useful in helping to maintain the safety of participants in a program. Our assistance can pertain to recommendations including delivery of materials, worker density restrictions, safety training, COVID-19 digital record-keeping, and virtual procurement strategies.
Personnel Digital Monitoring/Tracking
Proximity interaction of construction jobsite personnel and program management team members can be monitored and digitally tracked while on-site or in the program management office. AECOM can help our clients or general contractors in facilitating the implementation of a system that involves tracking tags on a wearable device. Digitized interaction/contact data can be collected and displayed on individual worker profile dashboards, to produce contact tracing reports. In addition to providing data for contacts in the event a worker tests positive for the coronavirus, the information can also be used for development of specific safety protocols and adjustments to staff training.

HVAC System Assessment
Our teams can identify strategies for modifications to potentially enhance a facility’s air quality and possibly reduce the risk of airborne virus transfer. Whether providing project design-phase recommendations, design services, or assisting your facilities department staff in their return to service as your project ramps back up, we can assess building systems for adjustments and augmentations. We provide rapid assessments for potential modifications to existing HVAC systems, which may result in enhanced filtration, pressure zones and outdoor air delivery.

Disinfection Contractor Oversight
We provide cleaning contractor oversight and reporting for the process of disinfection of facilities by a contractor, on behalf of our clients. Our teams can also prepare cleaning and disinfection specifications for use by contractors. These specifications typically address various issues associated with disinfection of surfaces for the coronavirus, and also include employee training, personal protective equipment, approved biocides, sequencing of work, waste disposal, and emergency disinfection procedures.
Miami Dade College Medical Campus

COVID-19 Facilities Disinfection Oversight/Creation of Disinfection Specification

In March 2020, a visitor to the Miami Dade College Medical Campus subsequently tested positive for the coronavirus, resulting in the need for cleaning and disinfection of portions of the campus. As part of our program management support services already ongoing at Miami Dade College, AECOM provided technical guidance for and oversight of the cleaning and disinfection work performed by Miami Dade College’s cleaning contractor. The contractor was engaged to disinfect surfaces at the campus within three multi-story buildings involving 850,000 square feet.

AECOM also prepared the Cleaning and Disinfection Specification for use by the cleaning contractor. The specification addressed the various issues associated with cleaning and disinfection of surfaces for the COVID-19 virus including contractor supervision, employee training, personal protective equipment, approved biocides, sequencing of work, work practices, waste disposal, emergency procedures, and other health and safety precautions.

Johns Hopkins University Applied Physics Laboratory

Schedule Analysis and Recovery, and Remote Inspections

AECOM is currently providing construction management-as-advisor services for the Johns Hopkins University Applied Physics Laboratory in support of the University’s $550-million capital construction portfolio. As a result of the coronavirus pandemic, our team provided pandemic-related schedule analysis and recovery recommendations, and integration of a Task Hazard Analysis pertaining to coronavirus issues. We also provided return-to-service safety protocols and safety training consulting.

As construction inspections resumed, our construction management team implemented safe Quality Assurance inspection techniques such as pre-scheduled inspections to limit the number of personnel interacting with each other, and recommendations for potential AECOM remote video and drone inspections.
New York City Department of Design and Construction

Grant Management, Construction Management and Engineering for COVID-19 Medical Shelters

AECOM provided emergency grant management, construction management and engineering services to construct two temporary COVID-19 medical shelters medical shelters at the Brooklyn Cruise Terminal and the Billie Jean King National Tennis Center in New York City. Grant management services pertained to the FEMA funding and reimbursement process, and compliance with all FEMA grant requirements.

Our team provided construction management services onsite in a pandemic environment, including immediate mobilization, confirmation that the work was properly executed and completed in a timely fashion, document control, security, and audit support.

U.S. Army Corps of Engineers

HVAC System Improvements for Enhanced Filtration

In support of the U.S. Army Corp of Engineers, AECOM deployed staff to several alternative care facility sites across the U.S. Key to our services was the rapid assessment and subsequent modification to the existing heating, ventilation and air-conditioning (HVAC) systems in the alternative care facilities, which housed both coronavirus and non-coronavirus patients. Our teams focused on enhancing the performance of systems in terms of air filtration, pressure zones and outdoor air delivery. AECOM served as both the designer, and - in many cases - the turnkey contractor delivering the solution.
Dallas/Fort Worth International Airport

Grant Application Support

Under a five-year program management/construction management services contract, AECOM is assisting in developing a Master Plan to identify and prioritize infrastructure needs at Dallas/Fort Worth International Airport (DFW) over the next 20 years. As part of this effort, our team is providing strategic grant support to identify potential candidate projects for inclusion in grant applications. This effort has included an analysis of various grant programs at the federal level, from infrastructure to technology. As an example, our team is currently supporting DFW with an application to the Better Utilizing Investments to Leverage Development (BUID) Transportation Discretionary Grants Program. Our services include overall strategic guidance, development of grant narrative and a Benefit-Costs Analysis.

Boston Logan International Airport

Development of Social Distancing Guidelines

AECOM is working with Massport to facilitate the development and implementation of an approach to social distancing throughout Boston Logan International Airport’s terminal and passenger processing facilities. The goals of the program are to improve the passenger sense of health and safety, create space between the passengers and improve the cleanliness at key touchpoints.
About AECOM
AECOM is a premier, fully integrated professional and technical services firm positioned to design, build, finance and operate infrastructure assets around the world for public- and private-sector clients. The firm’s global staff — including architects, engineers, designers, planners, scientists and management and construction services professionals — serves clients in over 150 countries around the world. AECOM is ranked as the #1 engineering design firm by revenue in Engineering News-Record magazine’s annual industry rankings, and has been recognized by Fortune magazine as a World’s Most Admired Company. The firm is a leader in all of the key markets that it serves, including transportation, facilities, environmental, energy, oil and gas, water, high-rise buildings and government. AECOM provides a blend of global reach, local knowledge, innovation and technical excellence in delivering customized and creative solutions that meet the needs of clients’ projects. A Fortune 500 firm, AECOM companies, including URS Corporation and Hunt Construction Group, have annual revenue of approximately $19 billion.

More information on AECOM and its services can be found at www.aecom.com.

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