

Pittsburgh International Airport Terminal Modernization Update

July 2019

Volume 2

Schematic Design Phase Refines Program Elements

All has not been quiet on the Modernization front since the design concept reveal in February. In fact, the design team and airport staff have been working feverishly to turn concept renderings into actual architectural drawings with accurate costs.

"We have not done this alone," said Paul Hoback, Chief Development Officer. "We have engaged numerous stakeholders including airlines, TSA, Customs and Border Patrol, the FAA, our tenants and concessionaires, Program Advisory and Working Groups, attendees at Industry Day events and Airport Authority staff. The plans are really coming together thanks to everyone's hard work and collaboration."

The purpose of Schematic Design is to provide detailed information for building systems (structural, mechanical, HVAC, plumbing, electrical), as well as the interior and exterior finishes to be used in both the new terminal and in the multi-modal complex (ground transportation center and parking garage).



Featured in the "Airports of the Future" July edition of *Architectural Record*, a new rendering from Gensler + HDR in association with luis vidal + architects shows an exterior view of the terminal (right), park-like landscaping and walkway to the multi-modal complex.

Teams have been studying the configuration of ticketing and baggage handling systems, the number of TSA screening lanes and support, restroom and concessions placement, just to name a few.

In the new multi-modal complex, teams are finalizing details for rental car counter set up, configuration of curbs and parking spaces, entrance/

exit ramps, as well as the pedestrian bridge to and from the new terminal.

For both the terminal and multi-modal complex projects, "base costs" for required functionality have been provided, with additional amounts for added options. "Extras" could include items such as natural light and artwork in the garage, or alternate roofing and façade materials.

Coming Up in Schematic Design

July/August – Schematic Design Review

August 27 - Vendor Product Pitch Fair

September 4– Stakeholder Approvals

October 8– Groundbreaking



Geotechnical services to determine soil conditions are underway at the construction site of the new terminal between Concourses C and D.

What's next? TMP Phase Timeline

Phase	Scope	Target Dates
Design Development	More detailed (60% design)	August - December 2019
Construction Documents	Detailed development w/ engineers	July 2019 - May 2020
Bidding and Negotiation	Construction preparation	August 2019 - 2023
Construction and Administration	Construction and implementation	December 2019-2023

By Pittsburgh, For Pittsburgh: Local Businesses Welcome

Contractors and construction trades officials got their first look at upcoming bid packages for the Terminal Modernization Program (TMP) in April at Industry Day #4. About 170 people attended the face-to-face networking event designed to connect airport and TMP staff with local businesses, disadvantaged business enterprises (DBE) and others interested in general business and procurement opportunities.

Early construction on the new terminal is expected to begin this fall with three bid packages to

prepare the construction site, timed in conjunction with the program groundbreaking on October 8.

To ensure that the new terminal is being built by and for Pittsburgh, officials have set a goal of 14 percent of TMP contracts going to DBE's, which include local minority- and women-owned businesses. A Vendor Product Pitch Fair is scheduled August 27 at the David L. Lawrence Convention Center to help ensure that the Airport Authority meets or exceeds that goal.

Industry Peers Say TMP is on Track

A core tenet of the Allegheny County Airport Authority's approach to the Terminal Modernization Program is to benchmark best practices of large-scale construction projects and learn from the people and organizations "who have been there before."

To that end, airport leaders created a Peer Review Team made up of experts to counsel and advise the TMP team. Peer reviewers are:

- Joseph Chang, of Ricondo, whose past experience includes terminal planning projects for Hartsfield-Jackson Atlanta Int'l and Baltimore/Washington Int'l Thurgood Marshall Airports.
- Jeff Fegan, CEO of Jeff Fegan LLC, who serves as a board member for the Greater Toronto Airports Authority and was previously CEO at Dallas Fort Worth Int'l Airport.
- Tom Kinton, President of Kinton Aviation Consulting, who was CEO and Executive Director of Massachusetts Port

Authority and Boston Logan Airport.

- Steve Martin, Senior Vice President of InterVISTAS Consulting LLC, who serves on the Board of Directors for the Greater Washington Aviation Open and was a board member for the International Aviation Club of Washington.
- Mark Reis, Independent Consultant, who served as the Interim Airport Director for New Orleans Int'l Airport and Managing Director for Seattle-Tacoma Int'l Airport.
- Maureen Riley, Director of Aviation Services at RW Block Consulting, who was Executive Director of Salt Lake City Department of Airports, as well as on the Board of Directors for the Airports Council International - North America.

"The reviewers all agreed that the program is heading in the right direction," said Executive Program Director Perfecto Solis. "They advised us to continue developing a sound revenue strategy, protecting innovation, and collaborating with our stakeholders."

Construction Managers Selected

PJ Dick/Hunt and Turner Construction have been awarded construction management contracts for the TMP Terminal and Multi-Modal Complex projects.

PJ Dick/Hunt will provide oversight for the new terminal building including baggage handling, utilities relocation, enabling projects, and terminal roadways.

"Safety is always our first goal – the number one goal for any project ever. You want to be sure everyone goes home safely," says Robert Bramblett, Project Director at AECOM, a sub-contractor of PJ Dick/Hunt.

Turner Construction will focus on the new Multi-Modal Complex, which includes a new parking garage and ground transportation center, rental car facilities, and commercial parking lots.

"We'll make sure the job stays on schedule and on budget at a high quality," says Daniel Nash, Project Executive at Turner Construction.

Multi-Modal Complex to Enhance Passenger Transport Experience

Multi-Modal Complex: Is it a new pharmaceutical? A gigantic movie theatre? A condition that afflicts working parents?

Answer: None of the above. The Multi-Modal Complex (MMC) is the new name for the state-of-the-art transportation facility that includes a new parking garage with 3,500 covered spaces, rental car operations, and ground transportation center being designed as part of the Terminal Modernization Program.

Since January, Michael Baker International and sub-contractor Abstract Group, have been designing the Multi-Modal Complex. The team has accomplished a lot in a short time. They have laid out the facility, optimized the passenger walkway connection from the new terminal, and configured the roads, curbs and parking lots.

Approaching the end of the Schematic Design phase, their focus now is on optimizing ingress/

egress, ensuring efficient operations for rental car customers, evaluating potential event and concessions space and determining the best ways to enhance the overall customer experience throughout the facility. "In addition to functionality and efficient operations, we are committed to incorporating the overall terminal design aesthetic of Nature, Technology and Community," said Chris Donahue, principal with Abstract. "We also want to ensure that the sightlines leading up to the terminal are visually pleasing and intuitive, and showcase the unique terminal design."

The design team is also committed to planning for the latest in technology and developing the flexibility to respond to ever-changing transportation needs and developments through ongoing input from the Ground Transportation and Passenger Experience Working Groups.



An updated site plan shows the location of the new terminal between existing Concourses C and D (right) and the multi-modal complex rotated on a 45 degree angle for open views of the terminal on approach (left).

Our New Safety Slogan

The results are in! It was close, and there were many excellent suggestions in our safety slogan poll, but one slogan edged out all others. Our TMP safety mantra is "Smarter. Safer. PITtransformed." It's short and snappy and should

Smarter. Safer.
PITTRANSFORMED

TERMINAL MODERNIZATION PROGRAM

look great on a hard hat and other Personal Protective Equipment (PPE). More importantly, it captures how much we value safety and innovation in all that we do

TMP Soup: Know Your Modernization Acronyms

- ASL-** Automated Security Lanes
- BHS-** Baggage Handling System
- CBIS-** Checked Baggage Inspection System
- CBRA-** Checked Baggage Resolution Area
- EA-** Environmental Assessment
- GTC-** Ground Transportation Center
- MMC-** Multi-Modal Complex
- OCIP-** Owner Controlled Insurance Program
- SIDA-** Secure Identification Display Area
- TNC-** Transportation Network Company

Help Build Pittsburgh's Airport

Vendor Product
Pitch Fair
August 27, 2019

10AM-6PM
David L. Lawrence
Convention Center

Interest Form:
www.pittransformed.com

Thanks to everyone for sharing your ideas and your ongoing efforts in meeting our number one TMP goal:

Achieving exemplary health, safety and security performance to protect the public, our workforce, and our investment while maintaining continuity of operations.

PITTRANSFORMED
TERMINAL MODERNIZATION PROGRAM

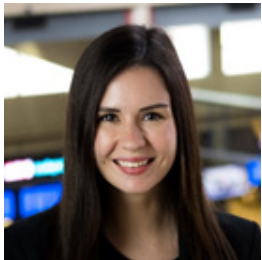
Fresh Faces, Ideas for Modernization

This summer, the Terminal Modernization Program Management Office is hosting a quintet of university interns who are providing insight in variety of different roles:



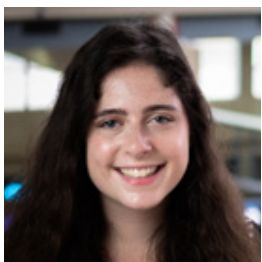
Blake Aber
Washington and Jefferson College
Junior- History and Studio Art
Art Intern

Favorite thing about interning at the Airport: The people. Everyone is so nice. Also working in a place that uses artwork and culture objects to actively represent the culture of Pittsburgh.



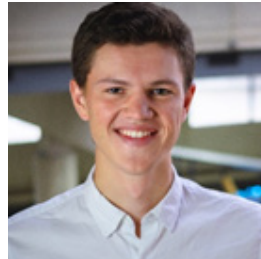
Caroline Baselj
University of Kentucky
Senior- Marketing, minor in Psychology

TMP Communications Intern
Favorite thing about interning at the Airport: The opportunity to give back to the community where I was raised through being involved with the TMP team and their efforts.



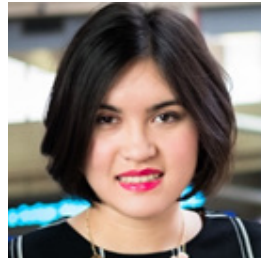
Emily Edlich
Carnegie Mellon University
Junior- Architecture
Architectural Intern

Favorite thing about interning at the Airport: Seeing architecture being implemented on such a large scale through the TMP.



Declan Hickton
University of Rochester
Junior- Mechanical Engineering
TMP Intern

Favorite thing about interning at the Airport: Being a part of the TMP and working in a dynamic environment with individuals from all of the companies involved in the project. I also enjoy having the airport as our office.



Danielle Wicklund
Robert Morris University
Senior – Accounting;

Working on Master's – Cyber Security
Finance Intern
Favorite thing about interning at the Airport: I learn something new every day while working with great people!

Working Groups Provide Valuable Feedback

"Hearing first-hand stories of personal experiences in the airport and seeing that journey through the eyes of someone with special needs is eye-opening, and we need to make sure design is inclusive of those various needs."

That's what Samantha Stedford, leader of the Accessibility Best Practice Working Group, said of engaging the community in the Terminal Modernization Program design feedback process.

Over the past six months, more than 60 people have been sharing their insights as part of six Best Practice Working Groups.

"They have been a valuable resource to assist in the development of amenities, processes and terminal enhancements that will provide a world-class customer experience at PIT," said Bryan Stashak, leader of the Passenger Experience group.

Details like the location of elevators and restrooms, improving accessibility and wayfinding, implementing green building practices, and improving technology have all been discussed.

"They have offered ideas that will help us reach our goals in all of the focus areas," said Kevin Gurchak, leader of the Sustainability group.

For more information on our transformation, check out:
www.pittransformed.com

July 2019 | Volume 2