O'HARE & MIDWAY
INTERNATIONAL AIRPORTS

ASCE–ILLINOIS SECTION

NOVEMBER 15, 2018

CHICAGO DEPARTMENT OF AVIATION

AGENDA

- CDA CONTRACTING
- COMMITMENT TO CAPACITY BUILDING
- WHAT IS O'HARE 21?
- KEY O'HARE 21 PROCUREMENTS
- O'HARE CIP
- MIDWAY MODERNIZATION PROGRAM
- MIDWAY CIP

CDA CONTRACTING

CDA CONTRACTING

- The Chicago Department of Aviation (CDA) is in the midst of major modernization efforts for both O'Hare and Midway—presenting thousands of opportunities for local firms and job seekers to participate in the economic success of our airports.
- CDA administers contracts by working in close partnership with the Chicago Department of Procurement Services (DPS) the authority for all City contracting and compliance with local and federal minority participation requirements.
- CDA and DPS work together to promote the inclusion of businesses of all sizes and types, and residents throughout the City's 77 community areas in airport project. Throughout the year, CDA and DPS facilitate workshops, certification, and other community events designed to build capacity by involving local talent and partners.

COMMITMENT TO CAPACITY BUILDING

INCREASING MBE, WBE AND DBE PARTICIPATION IN DESIGN AND CONSTRUCTION

- Over the next decade billions in contracts will be awarded to M/W/DBE firms for design and construction services on O'Hare 21.

- Capacity building: focus on increase capacity for small, diverse, local firms in two ways:
  - Bid incentives: 29 contracts already earmarked via SB/MB initiatives
  - Contracting provisions: CMAR and other methods to help drive maximum in diversity and participation

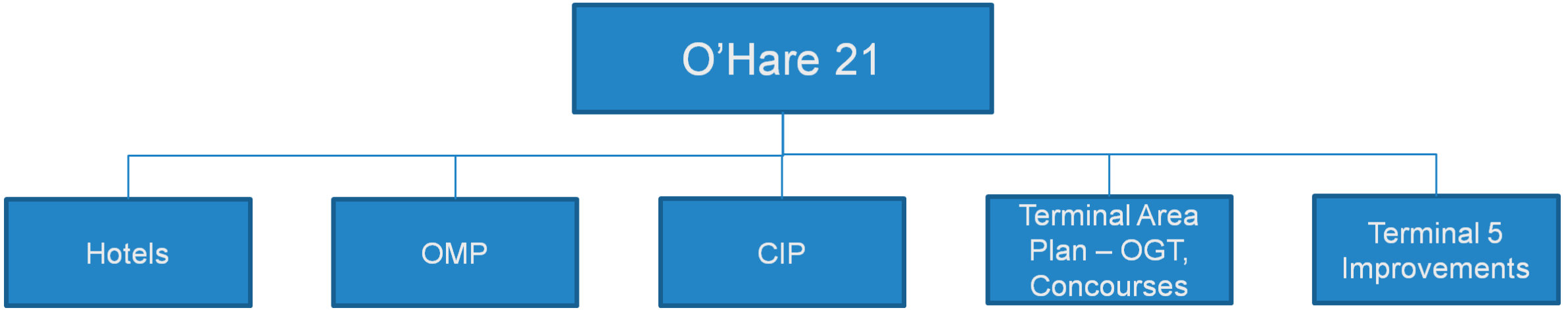
- Tens of thousands of jobs: Developing workforce plan to ensure capacity on the other end with a pipeline of talent

O'HARE 21 CONTRACTS EARMARKED EXCLUSIVELY FOR BID BY SMALL OR MEDIUM BUSINESSES = **$124 MILLION**

Initiative	Number of Eligible Projects
SBI-2 **Projects less than $2M**	7
SBI-1 **Projects between $2M - $3M**	9
MBI-2 **Projects between $3M - $10M**	10
MBI-1 **Projects between $10M -$20M**	3
Total **Construction Value $124M**	29

WHAT IS O’HARE 21?

WHAT IS O'HARE 21?



O'HARE 21 – KEY PROJECTS

- Key projects that are completed, under construction, or planned:
  - The Terminal Area Plan (TAP)
  - Completion of the O'Hare Modernization Program major airfield projects:
    - Runway 9C-27C
    - Runway 9R-27L Extension
  - Terminal 5 Concourse M gate expansion
  - Terminal 3 Concourse L gate expansion
  - Multimodal Facility
  - Central Deicing Pad
  - On-Airport Hotel Developments
  - Northeast Cargo Development
  - 15-Year O'Hare Capital Improvement Plan

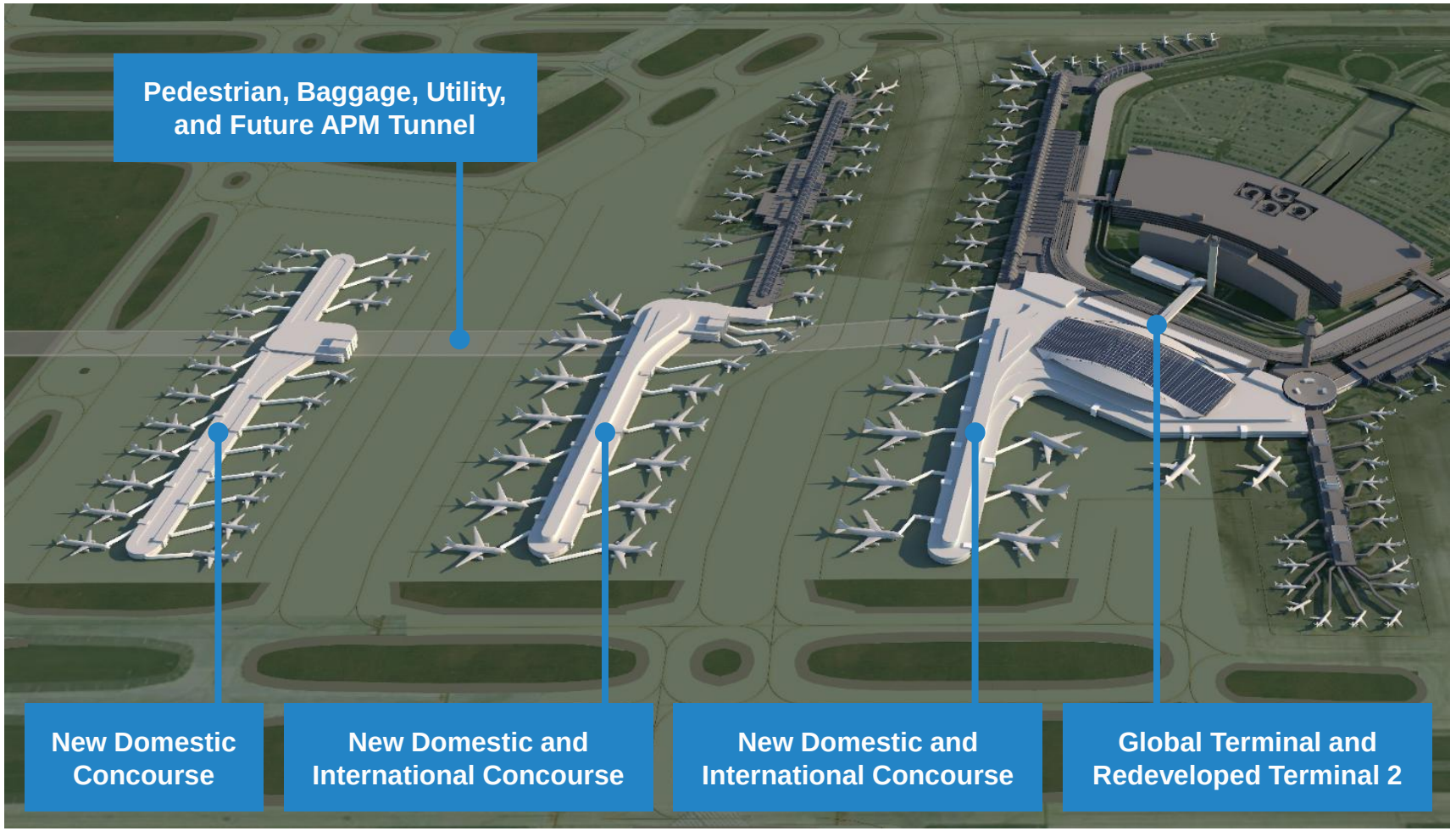
O'HARE 21'S CENTERPIECE PROJECT – TAP

- Terminal Area Plan (TAP) is the vision for modern and best in class O'Hare passenger terminal facilities
  - Replaces 56-year-old Terminal 2 with the O'Hare Global Terminal
  - Provides 25% additional gate capacity vs. existing facilities to serve modern aircraft fleet
  - Increases passenger terminal area by more than 60% vs. existing facilities to 8.9 million square feet
  - Expands terminal and landside capacity to accommodate anticipated demand
  - Fully integrates domestic and international terminal operations to enhance passenger journey:
    - New and expanded immigration and customs facilities
    - Co-location of domestic and international arrival gates
    - Potential for alliance airline groups to consolidate operations within a single terminal facility
    - New and expanded baggage handling infrastructure

- Reduce airfield congestion and ground delay resulting from lack of aircraft parking positions
- Modernize the oldest terminal facilities at O'Hare

- Enhance revenue opportunities while reducing airline and airport operating costs
- Enhance competition among all airlines

O'HARE GLOBAL TERMINAL AND SATELLITE CONCOURSES



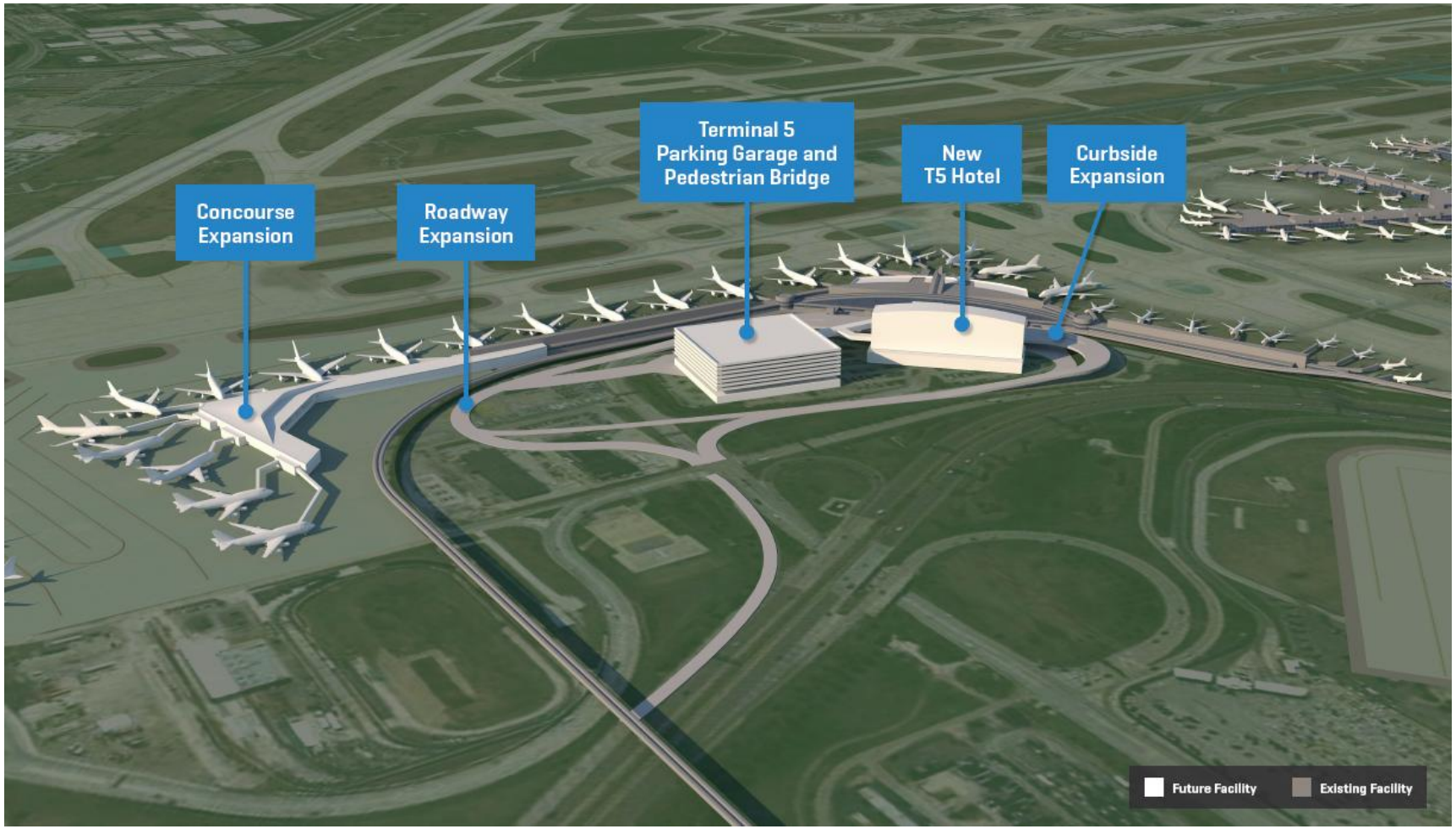
O'HARE GLOBAL TERMINAL

- The O'Hare Global Terminal is key to integrating international passenger processing with both hub carriers' domestic operations
  - A natural light filled upper level arrivals hall will welcome international passengers to Chicago
  - A world-class international arrivals facility will speed immigration and customs processing using advanced technologies
  - Hassle-free connections for international arriving passengers transferring to onward domestic flights in Terminals 1 or 3
- Spacious concourse will provide the ultimate in concessions, departure lounges, and public amenities

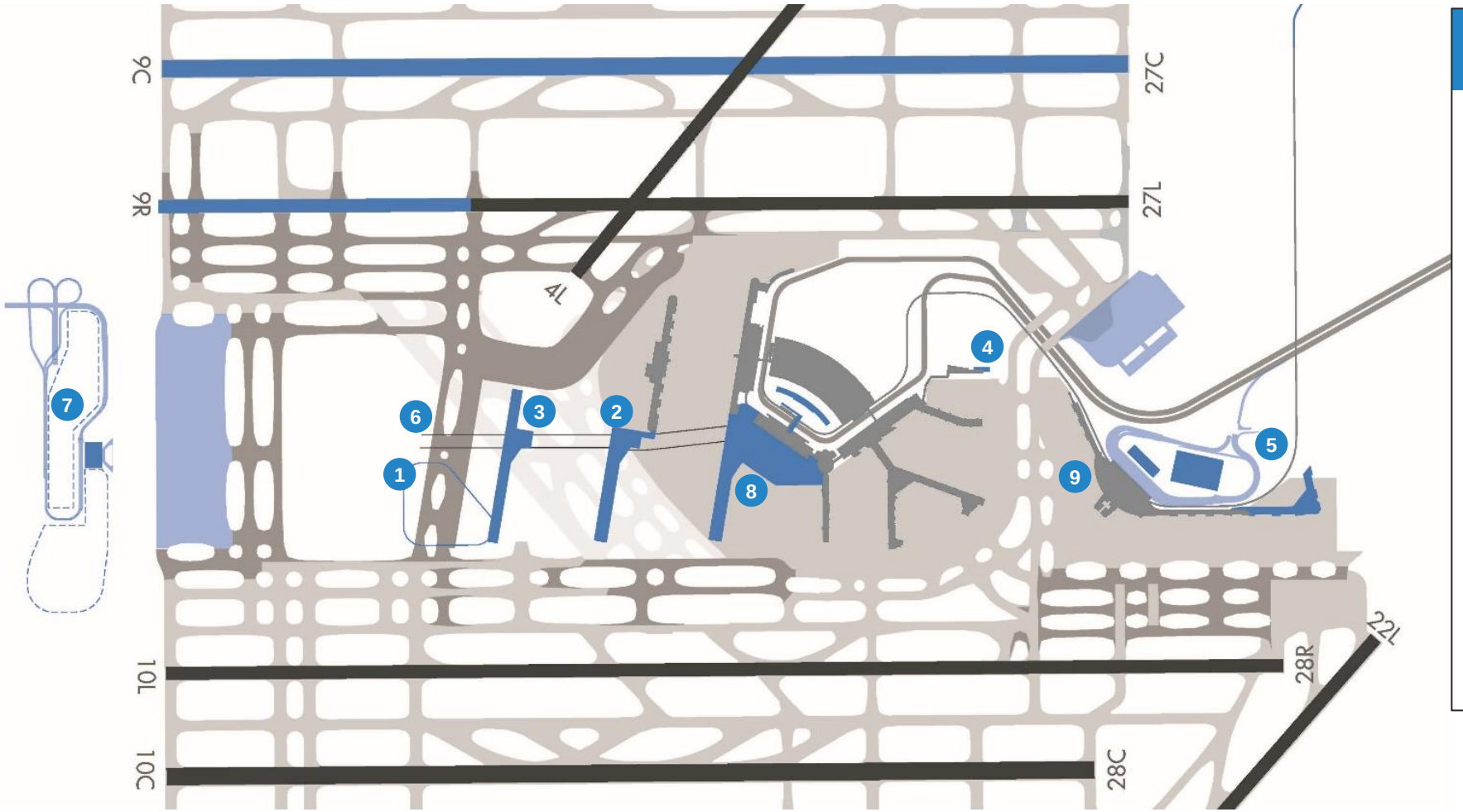
EXISTING

PROPOSED

TERMINAL 5 INVESTMENTS – NEARLY ONE BILLION DOLLARS OVER THE NEXT FIVE YEARS



TERMINAL AREA PLAN – PHASE I

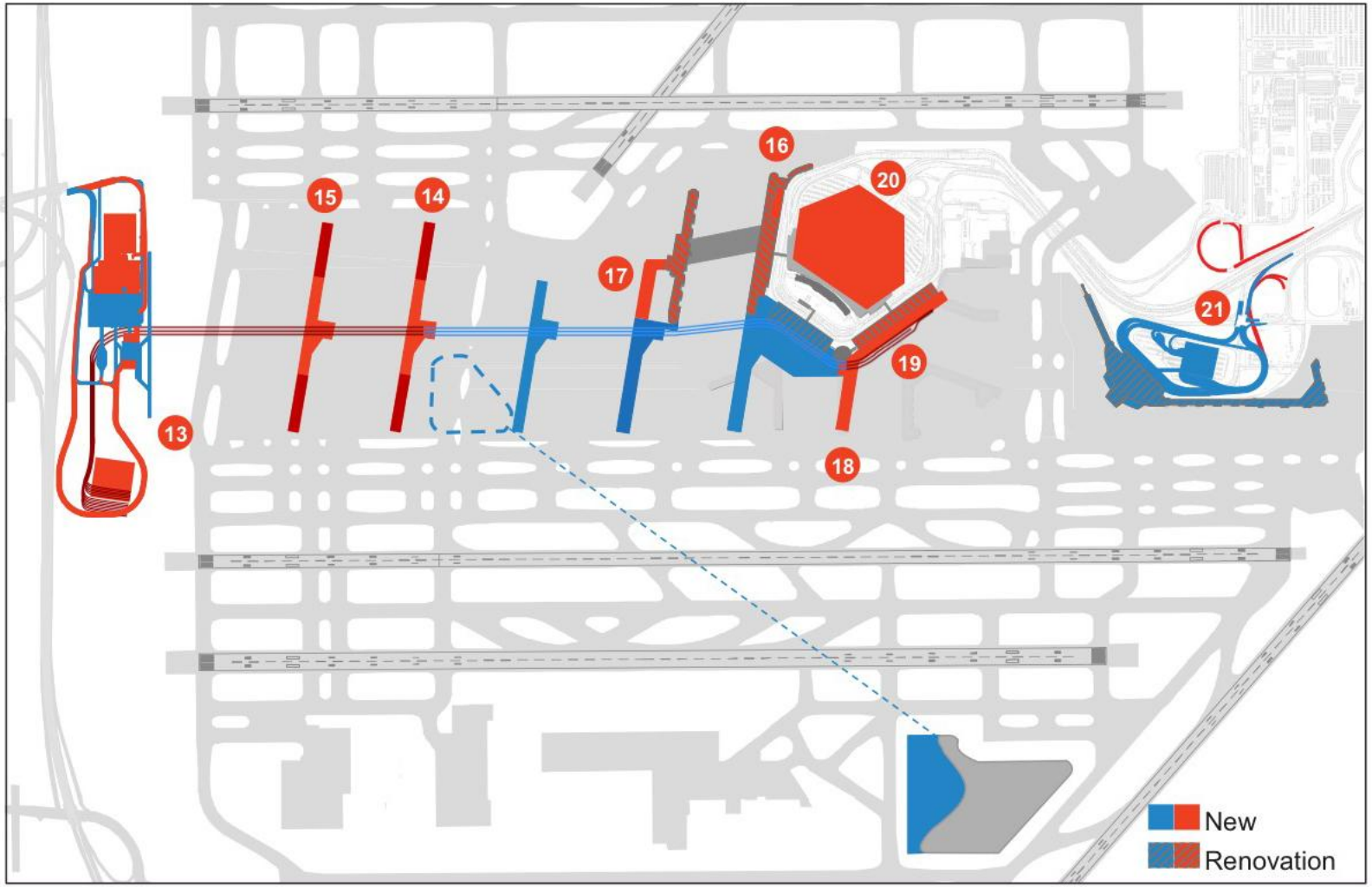


Phase I
Terminal Area Plan

Passenger Terminals

1. Central Basin Elimination
2. Satellite 1 Concourse
3. Satellite 2 Concourse
4. Concourse L 3-Gate Expansion
5. Terminal 5 Curbside, Roadway, and Parking Improvements (Phase1)
6. Consolidated APM, Pedestrian, and Utility Tunnel
7. Western Parking Facility
8. Terminal 2 Expansion and Redevelopment
9. Terminal 5 Repurposing

TAP Phase II – 30 Year Plan Provides for Long Term Growth



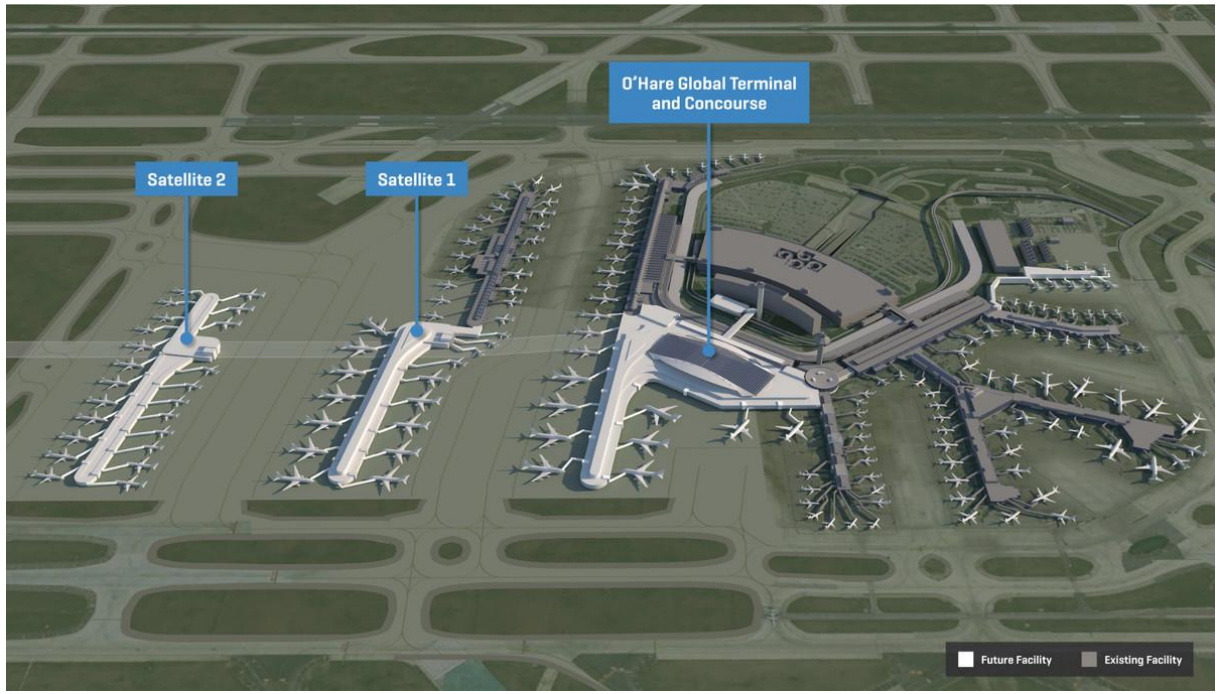
Additional TAP Elements

- 13 Completion of Consolidated APM and Utility Tunnel and installation of APM
- 14 Satellite 3 Concourse
- 15 Satellite 4 Concourse
- 16 Terminal 1/Concourses B and C Redevelopment
- 17 Satellite 1 Northern Extension
- 18 Concourse G Redevelopment
- 19 Terminal 3 Redevelopment
- 20 Garage at the Terminal Core
- 21 Terminal 5 Landside and Parking (Phase 2)

KEY O'HARE 21 PROCUREMENTS

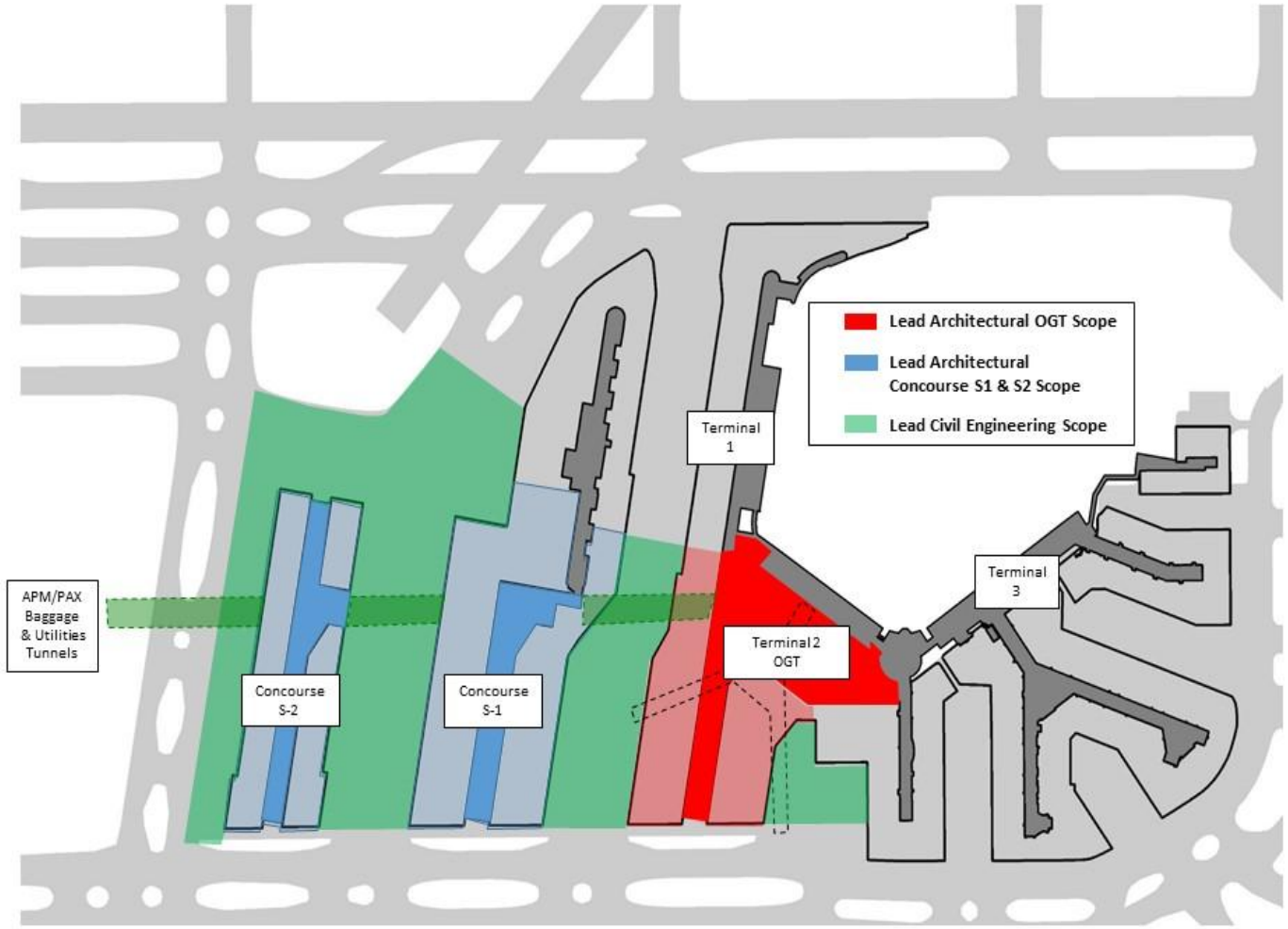
TAP LEAD ARCHITECT RFP

- Shortlist of 5 firms in November
- Submissions Due January 7, 2019
- Interviews January 15 & 16, 2019
- As part of the RFP, the City has asked teams for commitment to at least 2 mentor protégés



TAP LEAD TUNNEL DESIGN AND ENGINEERING SERVICES

- RFQ release anticipated in 2018
- Statement of Qualifications due early 2019
- Increased in M/WBE subcontracting opportunities
- Inclusion of mentor-protégé



CONSTRUCTION MANAGEMENT SERVICES

ANTICIPATED ADVERTISEMENT DATE:	1ST QUARTER 2019
ANTICIPATED AWARD DATE:	2ND QUARTER 2019
ANTICIPATED DURATION:	5 YEARS

CONSTRUCTION MANAGEMENT

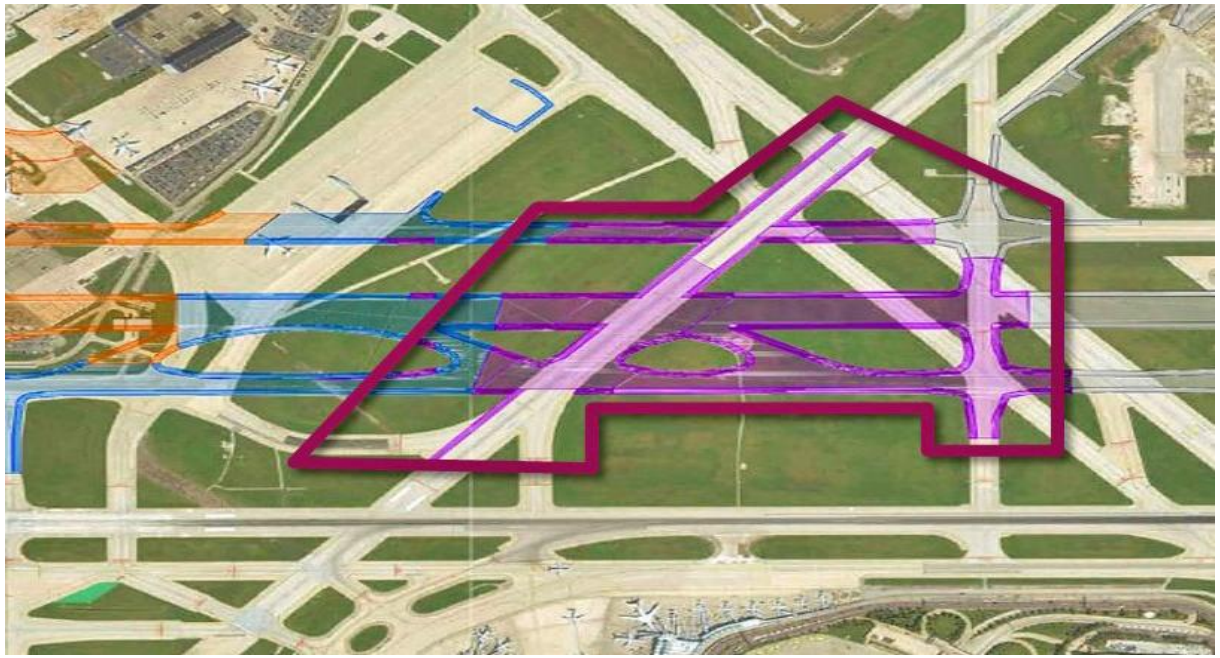
Multiple Construction Manager contracts will be awarded to oversee various segments of O'Hare 21 Terminal Area Plan, the Capital Improvement Program (CIP) and the TAP enabling projects including target market contracts.

Projects will include airside projects, landside projects, terminal projects, site preparation and security packages.

- 2 categories, up to 5 in each category
- Target Market and Non-Target Market (M/WBE)

O’HARE CIP

RUNWAY 9C/27C – PACKAGE 3

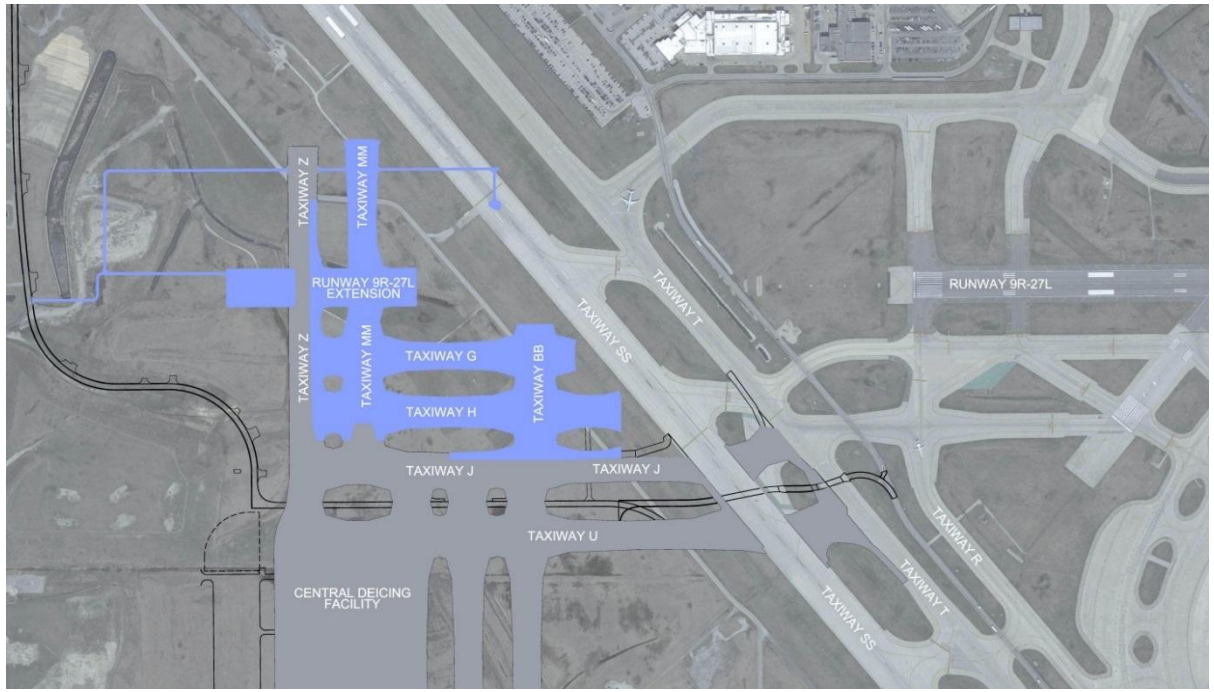


CONSTRUCTION BIDS DUE:	**NOVEMBER 20, 2018**
ESTIMATED CONSTRUCTION VALUE:	**$80 -$100 MILLION**

CONSTRUCTION

Phased construction of airfield pavements, PCC and AC, airfield lighting and signage, site preparation, grading and drainage, site restoration, utilities and other appurtenances and incidental work. Project site is located in the Air Operations Area (AOA)- Airside. DBE Goal 30%.

RUNWAY 9R-27L EXTENSION – WEST PACKAGE

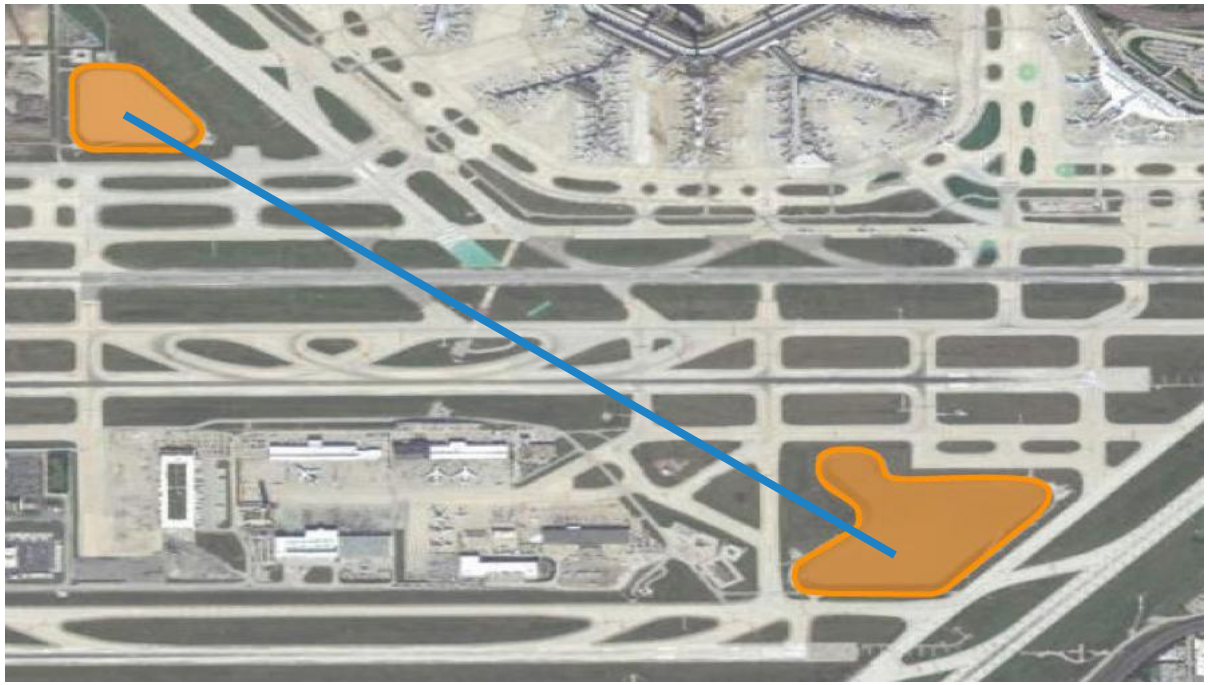


ANTICIPATED CONSTRUCTION ADVERTISEMENT:	**1ST QUARTER 2019**
ESTIMATED CONSTRUCTION VALUE:	**$40 - $60 MILLION**

CONSTRUCTION

Phased construction of airfield pavements, PCC and AC, airfield lighting and signage, site preparation, grading and drainage, site restoration, utilities and other appurtenances and incidental work. Project site is located in the Air Operations Area (AOA) - Airside. M/WBE 26%/6%.

SOUTH AIRFIELD DETENTION CONSOLIDATION

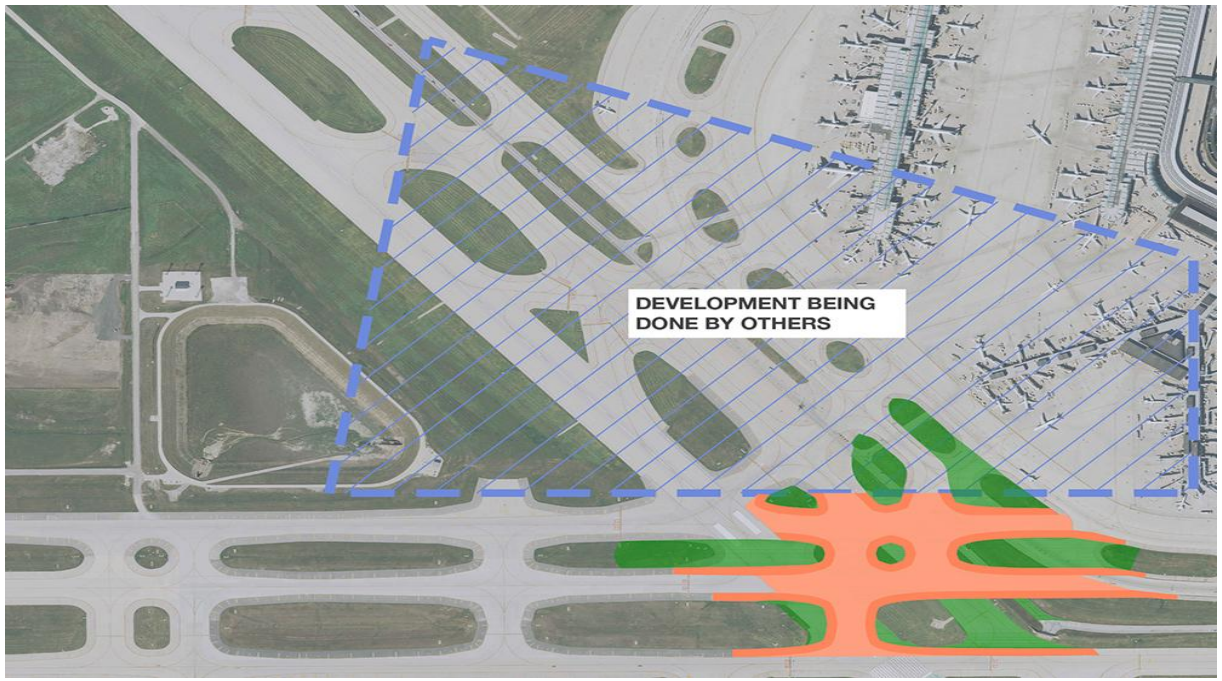


ANTICIPATED DESIGN/BUILD (RFQ) ADVERTISEMENT DATE:	**4th QUARTER 2018**
ESTIMATED CONTRACT VALUE:	**$140 - $180 MILLION**

DESIGN / BUILD

Modifications to the Central and South Basins to accommodate the future terminal developments. Work may include earthwork, large diameter deep tunnel construction, modifications to mechanical equipment, including an existing pump station. Project will be delivered as design-build. M/WBE

RELOCATION OF TAXIWAYS A&B – ADVANCE WORK PACKAGE

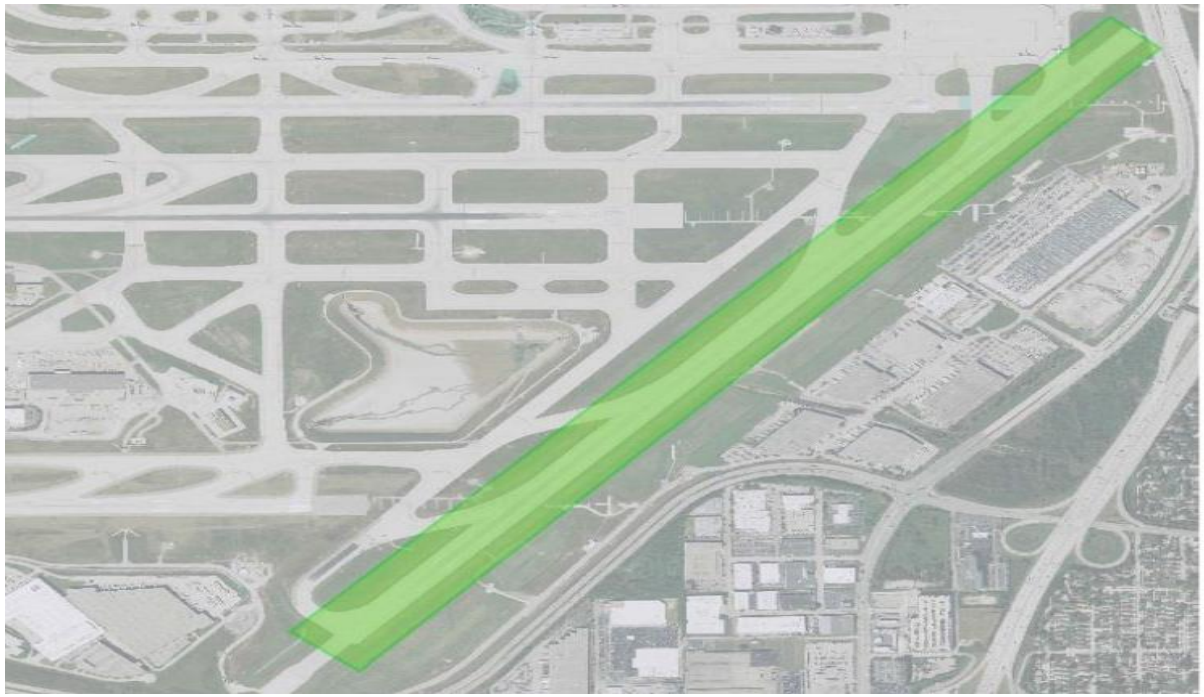


ANTICIPATED CONSTRUCTION ADVERTISEMENT:	**2ND QUARTER 2019**
ESTIMATED CONSTRUCTION VALUE:	**$60 - $80 MILLION**

CONSTRUCTION

Phased construction of airfield pavements, airfield lighting and signage, pavement removal, concrete crushing, and underground utilities and other improvements, site preparation, grading and drainage, site restoration, utilities and other appurtenances and incidental work. Project site is located in the Air Operations Area (AOA) - Airside. M/WBE

RUNWAY 4R-22L REHABILITATION



ANTICIPATED CONSTRUCTION ADVERTISEMENT:	**4TH QUARTER 2019**
ESTIMATED CONSTRUCTION VALUE:	**$15 - $20 MILLION**

DESIGN & CONSTRUCTION

This project consists of the design and construction of the rehabilitation of Runway 4R-22L and adjacent taxiways. The construction scope will include pavement removal and replacement of the existing runway surface as well as the necessary striping, grooving and LED lighting installation. MBI-1

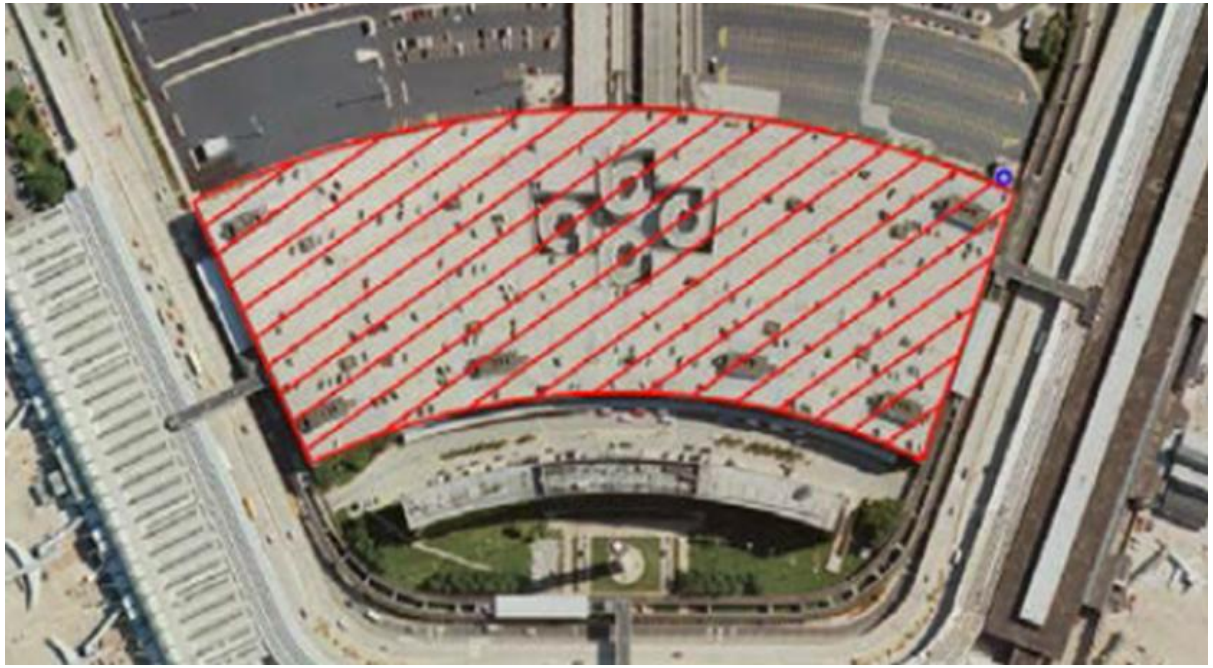
PEDESTRIAN TUNNEL REPAIRS

ANTICIPATED CONSTRUCTION ADVERTISEMENT:	**1ST QUARTER 2019**
ANTICIPATED CONSTRUCTION VALUE:	**$25 - $30 MILLION**

CONSTRUCTION

Remediation of water infiltration throughout the pedestrian tunnels below the concourses and roadways. Scope also includes interior remodeling and updating of pedestrian tunnels. New finishes will allow for a back-up drainage system as a second line of defense to any possible water migration through the tunnel structure. New energy efficient lighting and mechanical distribution is included. Project area extends into the area of the tunnels under the Hilton for finishes continuity. M/WBE

ELEVATED PARKING STRUCTURE REPAIRS

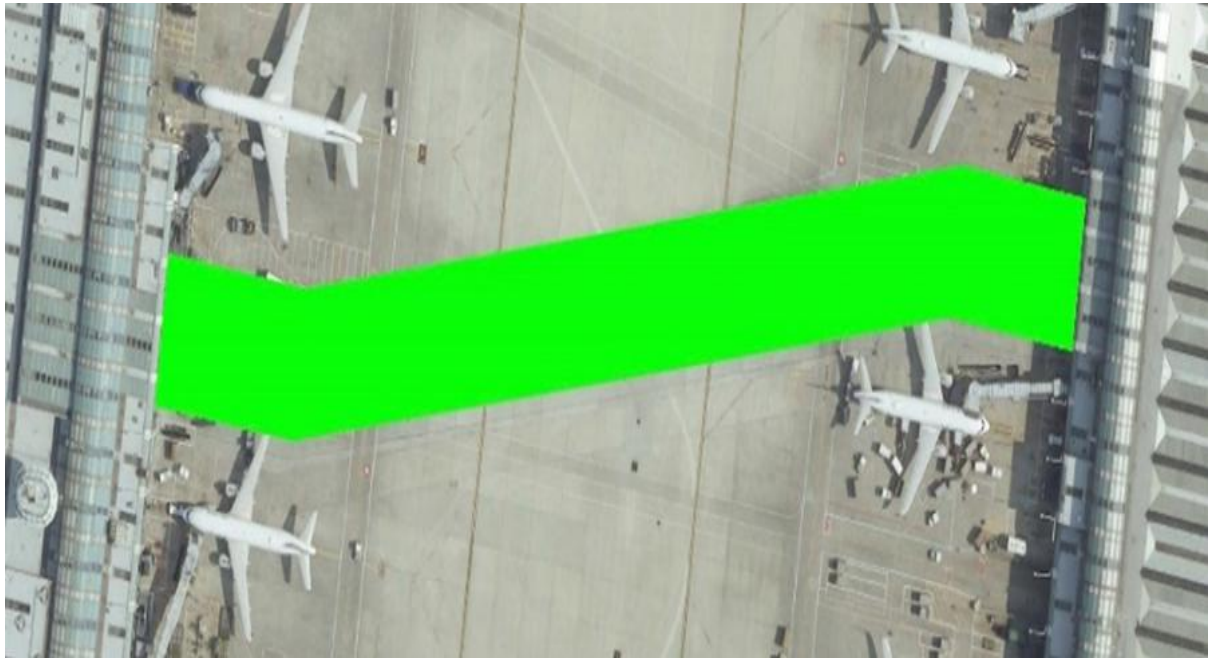


ANTICIPATED CONSTRUCTION ADVERTISEMENT:	**2ND QUARTER 2019**
ESTIMATED CONSTRUCTION VALUE:	**$20 - $25 MILLION**

CONSTRUCTION

Repairs to the main Elevated Parking Structure (EPS) including floor slab and wall panel repairs, miscellaneous exterior repairs, expansion joins, spiral ramps, spandrels, drainage improvements, and waterproofing of the structure. M/WBE

LEAK REPAIRS TO B&C TUNNEL



ANTICIPATED CONSTRUCTION ADVERTISEMENT:	**1ST QUARTER 2019**
ESTIMATED CONSTRUCTION VALUE:	**$20 - $25 MILLION**

CONSTRUCTION

Investigation of the sources of leaking in the pedestrian tunnel that connects Terminal 1 Concourses B & C and the development of solutions that will remediate this problem. M/WBE

REPLACEMENT OF ROTUNDA AIR HANDLING UNITS

ANTICIPATED CONSTRUCTION ADVERTISEMENT:	**1ST QUARTER 2019**
ESTIMATED CONSTRUCTION VALUE:	**$15 - $20 MILLION**

CONSTRUCTION

Replacement of 11 Rotunda Air Handling Units. Recondition of the existing ductwork. The new, efficient, code complying units will serve the environments that require different temperature controls, air movement, cooling capacities, heating capacities, with separate multi-zone controls to reconnect to existing ducting. M/WBE

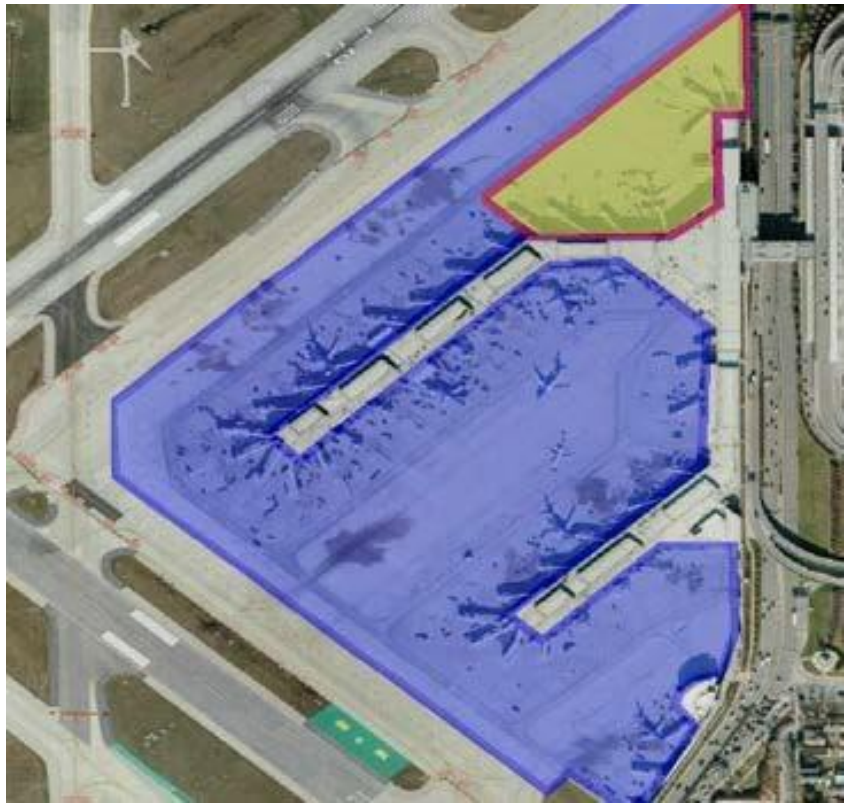
MIDWAY MODERNIZATION PROGRAM

MIDWAY MODERNIZATION PROGRAM – THE FUTURE OF MIDWAY AIRPORT

- In August 2015, Mayor Emanuel announced the Midway Modernization Program to deliver first major terminal improvements in two decades:
  - Passenger Security Checkpoint Expansion
  - Terminal Parking Garage Expansion
  - Concessions Redevelopment Program
- Current investment level is nearly $400 million
- Creates more than 1,700 construction and concession jobs

MIDWAY CIP

TERMINAL RAMP IMPROVEMENTS



ANTICIPATED CONSTRUCTION ADVERTISEMENT:	**4TH QUARTER 2018**
ESTIMATED CONTRACT VALUE:	**$11 - $12 MILLION**

CONSTRUCTION

Removal and replacement of the existing Concourse C 17" Portland Cement Concrete apron. Removal and replacement of the 6" Concrete Treated Permeable Base Course as well as adjustments and repairs to existing drainage, grounding tie-downs and the new pavement markings. Also included is the selective removal and replacement of concrete panels outside of the C Concourse area. DBE/MBE/SBE/WBE Goals TBD

MAINTENANCE COMPLEX (AMC) IMPROVEMENTS

CONSTRUCTION

Renovation including roof, window and door replacement, expansion of potassium acetate storage system, and construction of new Vehicle Storage Facility adjacent to existing AMC. DBE/MBE/SBE/WBE Goals TBD

ANTICIPATED CONSTRUCTION ADVERTISEMENT:	**4TH QUARTER 2018**
ESTIMATED CONSTRUCTION VALUE	**$9 - $10 MILLION**

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