



# O'HARE & MIDWAY

INTERNATIONAL AIRPORTS

Propelling Your Business Through Aviation Opportunities

CDA Design & Construction

May 15, 2019

ALEX LEON  
DEPUTY COMMISSIONER



Chicago Department of Aviation 

# AGENDA

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- CDA CONTRACTING
- COMMITMENT TO CAPACITY BUILDING
- O'HARE 21 COMPONENTS
- KEY O'HARE 21 PROCUREMENTS
- O'HARE CIP
- MIDWAY CIP
- CDA TERM CONTRACTS

# CDA CONTRACTING

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- 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 communities in airport projects. 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

# UPCOMING COMMUNITY EVENTS

O'Hare 21 will support near-term jobs  
to evolve into long-term aviation careers

## CDA CAREER FAIRS

**AUGUST 28:** Regional Job Fair, Kennedy-King College

**OCTOBER 22:** Regional Job Fair, UIC Forum



## CDA OUTREACH IN 2018

- 51 events
- 7 CDA career fairs
- 1,300+ residents attended
- 140 hired
- Partnerships with CPS, CCC, community groups to involve youth and residents



# WORKFORCE DEVELOPMENT - LOOKING AHEAD 2019

- Airport capital programs will support tens of thousands of jobs; opportunities that will evolve into long-term aviation careers. Economic inclusion plan to drive maximum for diversity and inclusion
- Engaging and empowering youth:
  - CPS career and technical programs and capstone classes provide training to mirror permanent airport careers
  - CCC on college-to-careers training
- Continued collaboration with the City Council Diversity Working Group



# O'HARE 21 OFFERS UNPRECEDENTED OPPORTUNITIES FOR ALL COMMUNITIES

More than **\$2 billion**  
in O'Hare 21 contracts  
will go to M/W/DBE firms



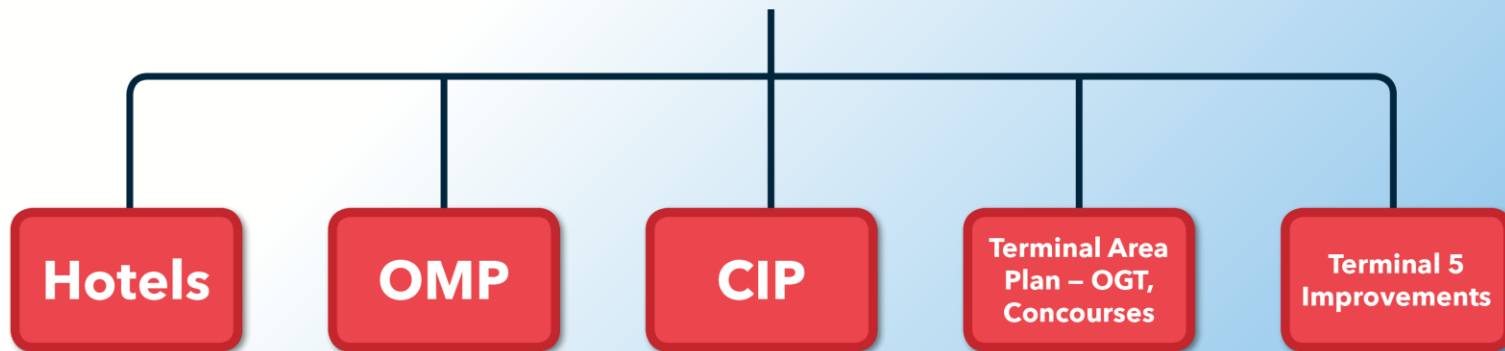
**29 contracts** already earmarked via  
small and minority business initiatives





# O'HARE 21 COMPONENTS

# O'HARE 21



# MAJOR COMPONENTS OF O'HARE 21



# O'HARE GLOBAL TERMINAL AND CONCOURSE

Designed to serve both domestic and international arrivals and departures, allowing for an ease of passenger transfer

Provide more space for concessions, departure lounges and public amenities

New self-service technologies

Upgraded security screening to reduce wait times



**PROPOSED**



# SATELLITE 1 AND 2 CONCOURSES

The gates on both concourses will be configured to accommodate a mix of aircraft sizes including regional jets, narrowbody, and widebody aircraft.

Together, both satellites will provide over 37 aircraft parking positions

Satellite 2  
New Domestic  
Concourse

All gates on the Satellite 1 concourse will be capable of accommodating international arriving flights requiring clearance by U.S. Customs and Border Protection.



# TERMINAL 5 – ADDING 350,000 SQUARE FEET BY 2021



## KEY OPENING DATES:

**Early 2021**  
New Concourse

**Mid-2021**  
Terminal Expansion  
& Parking Garage

**Late 2021**  
Delta Air Lines  
relocates to Terminal 5

**After 2023**  
Curbside roadway  
expansion and new hotel

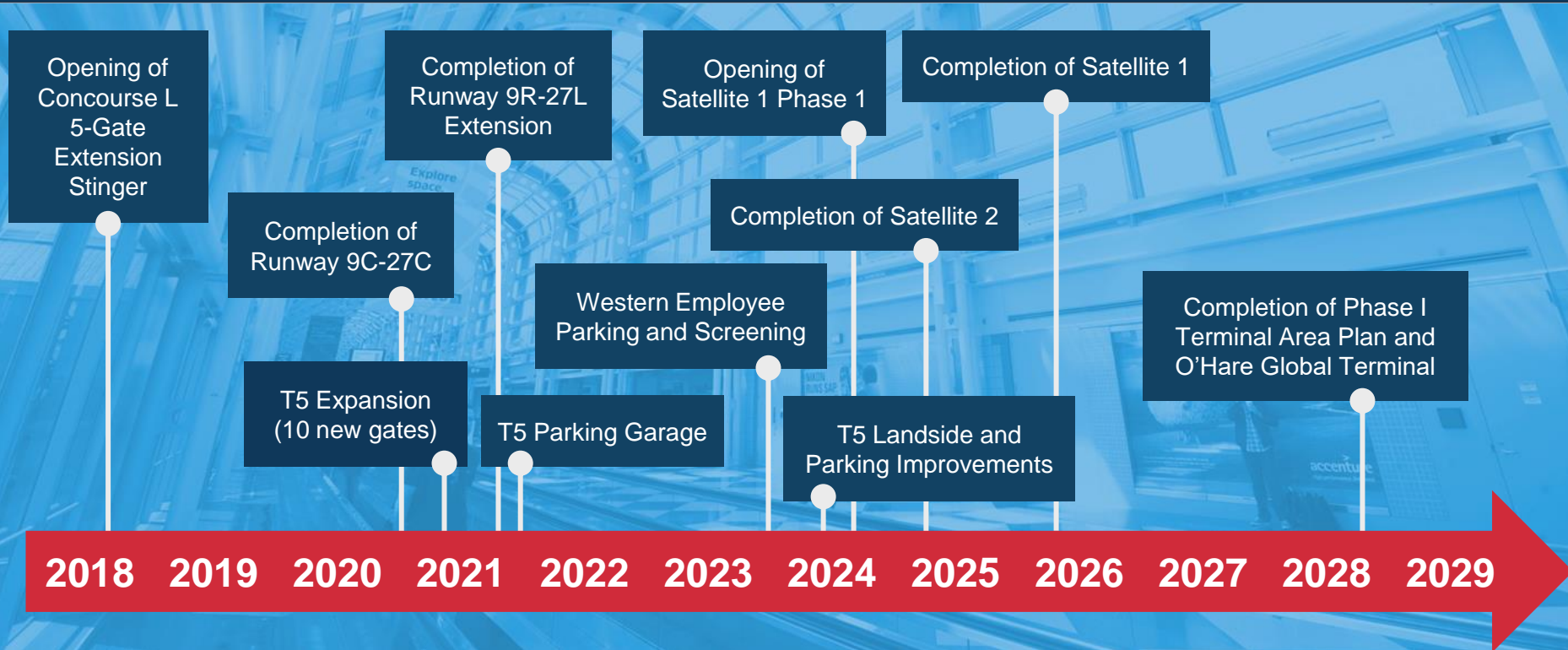
10 additional gates

Reconfigured international  
arrivals facility and security  
checkpoint

New airline lounges  
(consolidated SkyTeam lounge)  
and expanded commercial  
offerings



# MAJOR O'HARE 21 MILESTONES



# O'HARE 21 PROJECT DELIVERY WILL OCCUR IN PHASES OVER THE NEXT DECADE



APR 2018

2021

2025

2026

2028

Concourse L  
Expansion

Terminal 5  
Expansion

Satellite 2

Satellite 1

O'Hare Global  
Terminal

Demand Driven –  
Future Satellite  
Concourses 3 & 4  
with Public Western  
Access

# SUSTAINABLE AIRPORT MANUAL (SAM)

- 1<sup>st</sup> airport sustainability guidelines
- 1<sup>st</sup> rating system for an airport – 239 ratings issued to date
- Serves as “LEED for Airports”
- Endorsed by USGBC, FAA, EPA
- Created with input from 200+ stakeholders
- Contractually required
- SAM will continue to be incorporated into airport development projects and operations/maintenance activities



# KEY O'HARE PROCUREMENTS



# CITY UNVEILS 5 POTENTIAL DESIGN CONCEPTS



Winning design team announced: **Studio ORD**

As part of the RFP, the City requested commitment to mentor at least 2 protégés, Studio ORD committed to 7

Satellite concourses design team to be selected in coming months



# CONSTRUCTION MANAGEMENT SERVICES



## 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)

ANTICIPATED ADVERTISEMENT DATE: 2<sup>ND</sup> QUARTER 2019

ANTICIPATED AWARD DATE: 3<sup>RD</sup> QUARTER 2019

ANTICIPATED DURATION: 5 YEARS



# O'HARE CIP

# RING & UTILITY TUNNEL CONCRETE REPAIRS PRIORITIES 3-9



## CONSTRUCTION

Phased approach to address the areas in need of structural concrete repair in two utility tunnel locations. Scope varies from spall repair, cathodic protection of reinforcement to entire beam replacement. This project will address the 2nd Phase in the program

ANTICIPATED ADVERTISEMENT:

3<sup>rd</sup> QUARTER 2019

ANTICIPATED CONSTRUCTION VALUE:

TBD

# PEDESTRIAN TUNNEL REPAIRS



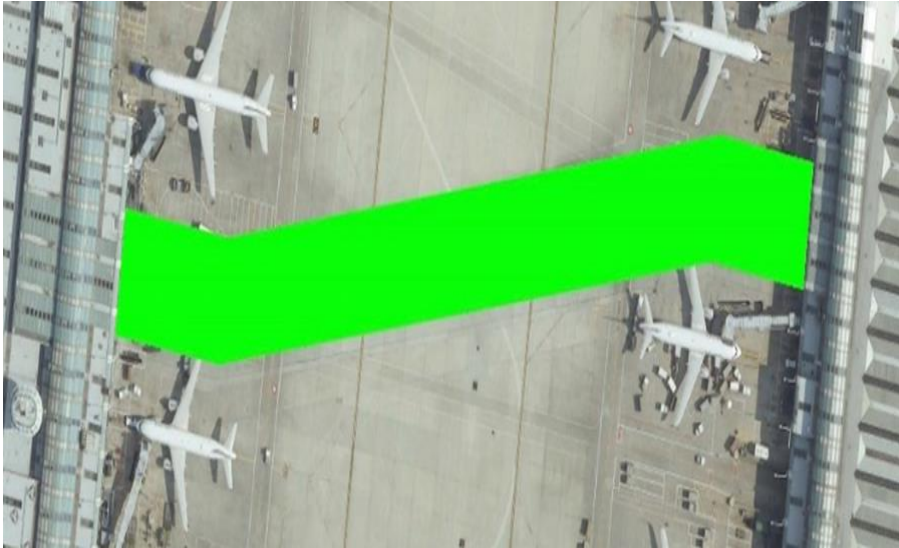
ANTICIPATED CONSTRUCTION ADVERTISEMENT: 3<sup>rd</sup> QUARTER 2019

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

# LEAK REPAIRS TO B&C TUNNEL



ANTICIPATED CONSTRUCTION  
ADVERTISEMENT:

3<sup>rd</sup> QUARTER 2019

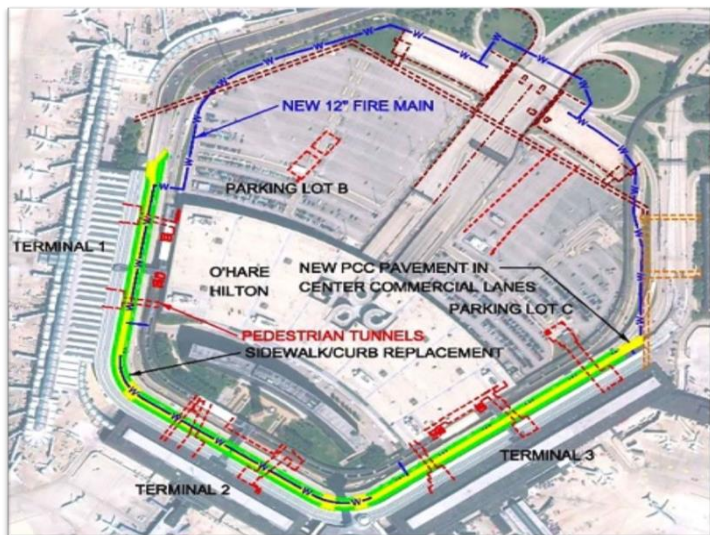
ESTIMATED CONSTRUCTION VALUE:

\$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

# LL UTILITY AND PAVEMENT RECONSTRUCTION



ANTICIPATED ADVERTISEMENT:

1<sup>st</sup> QUARTER 2020

ANTICIPATED CONSTRUCTION VALUE:

\$25 - \$30 MILLION

## CONSTRUCTION

Relocation of the terminal area fire main loop including approximately 7000 lf of 12" fire main, 1500 lf of 8" hydrant fire main and 32 fire hydrants. New alignment will minimize impacts to traffic by locating portions of the loop within the commercial vehicle lanes. Medians and center lanes will be reconstructed within the terminal area to meet ADA and will include new sidewalks and utility replacements. Approximately 2,500 lf of ComEd ductbank will be included to replace an existing ductbank that is at risk of failure.



# REPLACEMENT OF ROTUNDA AIR HANDLING UNITS



## CONSTRUCTION

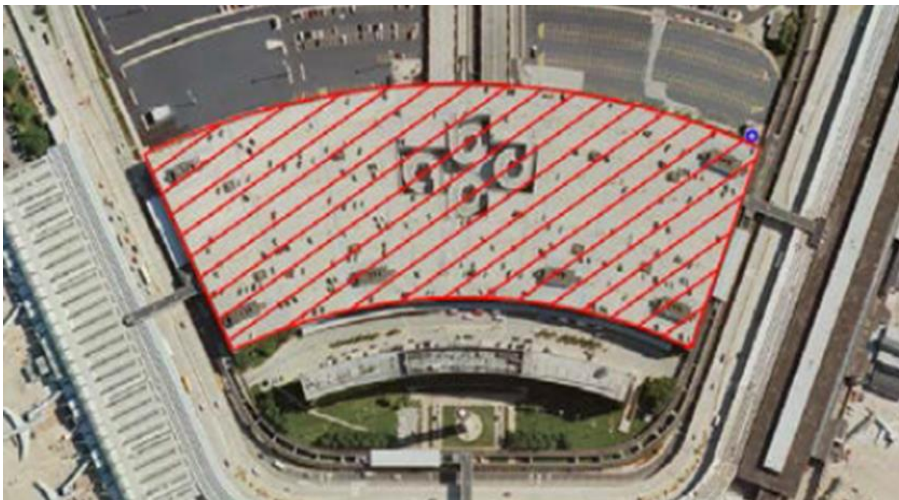
Replacement of 11 Rotunda Air Handling Units. Recondition of the existing ductwork. The new, efficient, code complying units will serve the environments that require different temperature controls, air movement, cooling capacities, heating capacities, with separate multi-zone controls to reconnect to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

ANTICIPATED CONSTRUCTION ADVERTISEMENT: 1<sup>st</sup> QUARTER 2020

ESTIMATED CONSTRUCTION VALUE: \$12 - \$14 MILLION



# ELEVATED PARKING STRUCTURE REPAIRS



## CONSTRUCTION

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

ANTICIPATED CONSTRUCTION  
ADVERTISEMENT:

1<sup>st</sup> QUARTER 2020

ESTIMATED CONSTRUCTION VALUE:

\$20 - \$25 MILLION

# RUNWAY 4R-22L REHABILITATION



## 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

ANTICIPATED CONSTRUCTION  
ADVERTISEMENT:

2<sup>nd</sup> QUARTER 2020

ESTIMATED CONSTRUCTION VALUE:

\$15 - \$20 MILLION

# MIDWAY CIP

# CONCOURSES B, C & TAXIWAY Y PAVEMENT IMPROVEMENTS



ANTICIPATED CONSTRUCTION  
ADVERTISEMENT:

2nd Q 2019

ESTIMATED CONTRACT VALUE:

\$10 - \$20  
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



# TERM CONTRACTS

# AIRSIDE CONCRETE PAVEMENT & RAMP REPLACEMENT & CONCRETE CRUSHING TERM CONTRACT



ADVERTISEMENT DATE: January 10, 2019

BID OPENING DATE: May 15, 2019

ESTIMATED CONTRACT VALUE: \$90 - \$100 MILLION

## CONSTRUCTION

5-year Term contract to remove and replace failed concrete pavement inside the terminal gate area at O'Hare. Includes crushing excavated concrete.

Work areas for each year are determined and scheduled in consultation with CDA, Airlines and in response to FAA Airfield Certification Inspection.

Most work is done during nighttime hours when airlines operate gate area at low traffic volumes.

M/WBE

# AIRPORT MAINTENANCE AND REPAIR TERM CONTRACT



ANTICIPATED ADVERTISEMENT DATE: 2<sup>nd</sup> QUARTER 2019

ESTIMATED CONTRACT VALUE: \$4 - \$5 MILLION / YEAR

## CONSTRUCTION

Rental of equipment for repair work for FAA certification reimbursement.

Rental of equipment for water main repairs.

Rental of equipment for staging areas, construction, and maintenance.

Rental of equipment for regrading of soils and drainage ditches.

Rental of equipment for on-call services or other projects as required.

M/WBE

# RUBBER REMOVAL TERM CONTRACT



ANTICIPATED ADVERTISEMENT DATE: 2<sup>nd</sup> QUARTER 2019

ESTIMATED CONTRACT VALUE: \$2 - \$3 MILLION

## CONSTRUCTION

5-year Term contract to periodically remove rubber and other contaminants from Runways and other pavement surfaces at O'Hare and Midway.

Contractor on call to perform duties as directed by CDA Operations in response to surface friction reports. Runways usually done every 3-months.

Most work is done during nighttime hours when aircraft traffic volumes are low.

M/WBE



# ASPHALT PATCHING & OVERLAY TERM CONTRACT



ANTICIPATED ADVERTISEMENT DATE: 2<sup>nd</sup> QUARTER 2019

ESTIMATED CONTRACT VALUE: TBD

## CONSTRUCTION

5-year Term contract to perform cold patch and hot mix asphalt pavement overlay and repairs, pavement grooving and grinding, pavement coring, and related work at O'Hare and Midway.

Work for each year is determined and scheduled in consultation with CDA in response to FAA Airfield Certification Inspection. Most work is done during nighttime hours when aircraft traffic volumes are low.

M/WBE

# THE FUTURE OF OUR AIRPORTS INCLUDES YOU!

SIGN UP FOR WEB ALERTS OR THE  
CDA QUARTERLY NEWSLETTER AT  
**FLYCHICAGO.COM**



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amenities at **ORD21.com!**





Chicago Department of Aviation ★ ★ ★ ★

JAMIE L. RHEE, COMMISSIONER

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