



DECEMBER 18, 2024

DENVER INTERNATIONAL AIRPORT

## PHYSICAL ACCESS CONTROL SYSTEM (PACS) PHASE 3 – REPLACEMENT PROJECT

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# PACS PROJECT OVERVIEW

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- Denver International Airport (DEN) is seeking City Council approval for a proposed contract with PCL Construction Services Inc. To provide construction and construction management services to replace the existing Physical Access Control System (PACS) for all of DEN.
- The PACS replacement includes design and construction of the replacement of card readers for security doors and vehicle gates, the wiring for data and communications, the automated door controllers and associated infrastructure, plus the associated software to operate the system.
- Phase 2 completed the pre-construction services to arrive at the proposed Guaranteed Maximum Price (GMP). Although the initial task value of Phase 2 was less than \$1 million, the Phase 2 project was presented to and approved by Council in May of 2023 in anticipation of the Phase 3 GMP.
- The PACS replacement project is entering Phase 3 – the final phase to complete construction and operationalization of the PACS equipment to modernize and enhance all security access points at DEN.

# PACS CONTRACT OVERVIEW

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The proposed contract includes:

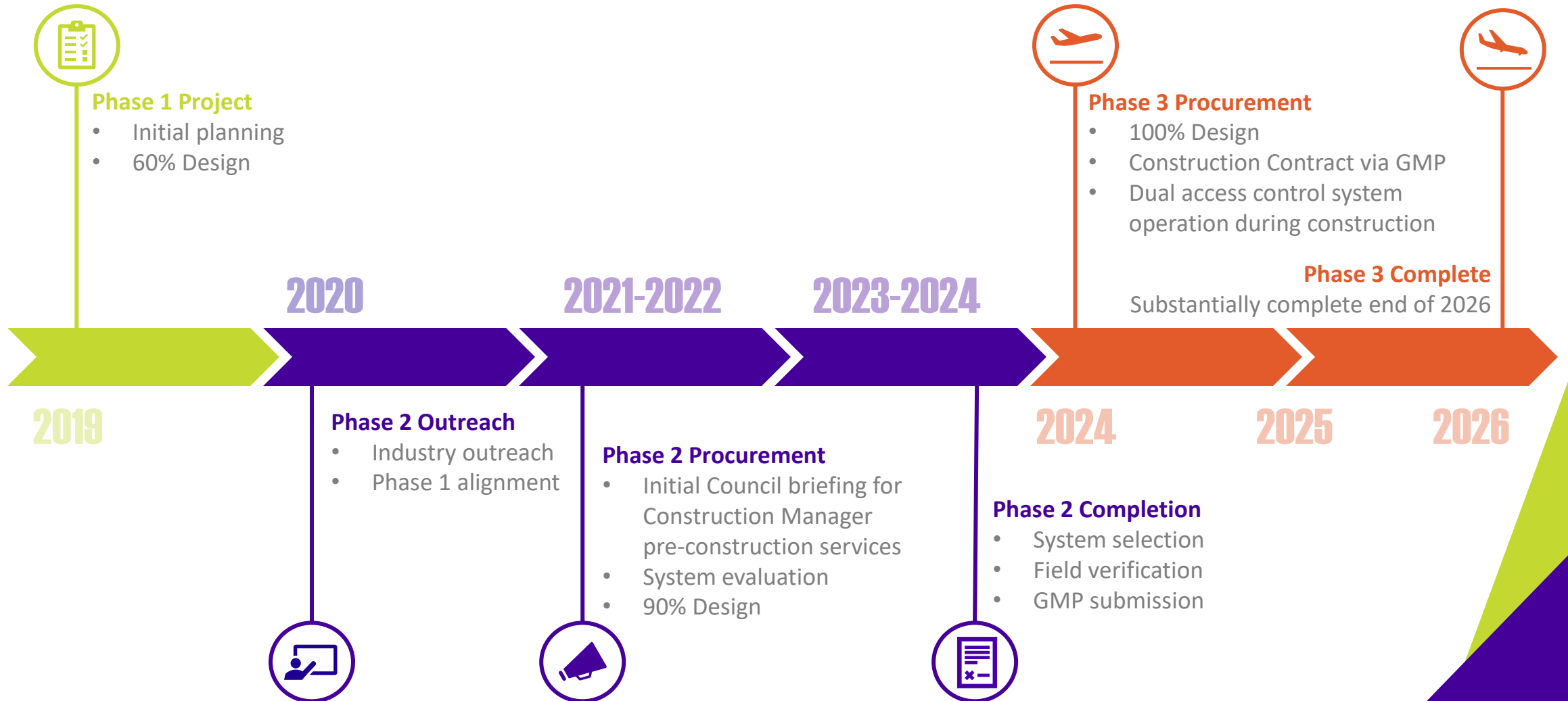
- A guaranteed maximum price (GMP) fee of \$72,625,546
- A fixed contract term for Notice to Proceed (NTP) + 815 days
- Division of Small Business Opportunity (DSBO) identified MWBE participation goals of 15%
- Denver Construction Careers Program (DCCP) determination of vertical construction with full workforce requirements of:
  - Identification of a designated point of contact for workforce development
  - 15% apprenticeship requirement
  - 3.75% 1<sup>st</sup> year apprenticeship requirement
  - 3.75% target category apprenticeship requirement
  - 15% target hire requirement
  - Participation in outreach and recruitment events led by the City
  - Coordination with the DCCP and the City's construction workforce convener
  - Periodic workforce reports as requested by the City

# PACS PROJECT JUSTIFICATION

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- The PACS replacement is an operational necessity as the existing PACS equipment and software are past end-of-life, facing a severe shortage of replacement parts and serviceable components, and facing the sunset of support by a single-source provider with a final contract that expires in 2026. The replacement system will allow DEN to be fully compliant with all new regulations from the Transportation Security Administration (TSA) and will provide integration with a new Identity Management System and biometric screen capabilities to enhance DEN's security and operations.
- Every door, stairwell, elevator, and vehicle gate that provides access to areas of the airport that are categorized as sterile or secure, or transitions from one of these categorizations is equipped with an access control point that is part of the PACS infrastructure. Throughout all the facilities and roadways at DEN, this amounts to thousands of access control points which must be upgraded or replaced.

# PROJECT PROGRESSION



# VISION 100 PROJECT ALIGNMENT



## Developing technical expertise

- Advanced technology provides additional development of DEN security & operations staff knowledge



## Building integrated systems

- Modernizes the access control system
- Allows for future integration of enhanced capabilities and technology
- Allows for additional growth without technology constraints



## Improving durability and reliability

- Replacement ensures reliability of access control system
- Ensures maintainability of critical airport operations system
- Ensure compliance with regulations



## Regulatory compliance

- Advanced system allows for DEN to react to future regulatory needs with ability to expand and adapt access control system

## CONTRACTOR OVERVIEW

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- PCL is a long-standing construction company with almost 120 years of construction experience.
- The company has offices in the United States, Canada, Australia, and the Caribbean. The United States head office is headquartered in Denver and was established in 1975.
- PCL provides construction services in the Federal, Civil, Industrial, Special Projects, and various buildings markets including a long history of successful projects in the Aviation industry.

## CONCLUSION

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- DEN is seeking City Council approval for a proposed contract with PCL Construction Services Inc. for a guaranteed maximum price (GMP) of \$72,625,546 and for a fixed contract term of NTP + 815 days to provide construction and construction management services to replace the existing Physical Access Control System (PACS) for all of Denver International Airport (DEN).
- The phase 3 construction work will occur during 2025 and 2026.

# THANK YOU & QUESTIONS?

