PLANNING & DEVELOPMENT
AIRPORT INFRASTRUCTURE MANAGEMENT

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AIRPORT INFRASTRUCTURE MANAGEMENT

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Manager of Airside
FACILITY SERVICES

Facility Development
- Capital Projects Management
- Projects include but are not limited to:
  - Conveyance – elevator, escalator, & walkway replacements
  - Restroom remolds
  - Parking structure rehabilitation and new structures
  - Hold room reconfiguration work
  - Passenger loading bridges
  - Office space re-models, projects to assist the Concourse Expansion Program and the Great Hall programs

MEP Development
- Industrial scale to unitary scale mechanical, electrical, and plumbing infrastructure projects in the central utility plant, Great Hall and concourses
- Projects include but are not limited to:
  - Replacing boilers and chillers
  - Pre-conditioned air unit replacement
  - Replacement of the Fire Alarm system
TECHNICAL PROGRAMS & SYSTEMS

PMO (Project Management Office)
- Standardize and Governance of Project Management Processes
  - Unifier
  - Textura
- Estimate & Schedule development and review
  - P6
- Contract Specification boilerplate development and review

QUALITY ASSURANCE
- Inspection and testing of Capital Improvement Plan Projects
- Surveying
  - maintenance of base stations
  - QA and validation of construction

SYSTEMS
- Engineering concept, review, troubleshooting, and oversight
  - Currently MEP only.
  - Expanding in 2019
- Subject Matter Experts (SME) on all projects
- Design Standards Manuals (DSM) development and review
INFRASTRUCTURE

Airside Engineering
- Divided by the Airport Operations Area (AOA) fence
- Projects include runways, taxiways, vehicle service roads, gate apron, drainage improvements, utilities and lighting
- Airfield work requires specialized pre-qualification levels
- Requires higher insurance levels

Landside Engineering
- Projects include Peña Boulevard, all roadways, bridges, parking lots and utilities

Tactical Planning
- Projects are coordinated for operational impacts on the airfield
- Projects include fuel work, passenger loading bridges (PLBs), gate shutdowns, runway and taxiway work, hold room impacts to gates and construction haul routes
AIRPORT INFRASTRUCTURE MANAGEMENT
UPCOMING PROJECTS

MICHELLE MARTIN
DIRECTOR OF INFRASTRUCTURE
Scope of Work:

- Replace deteriorated concrete slabs & joint sealant
- Replace airfield electrical components, light fixtures, transformers, cables, & signs
- Expand TW L & M safety area from ADG IV to ADG V

Status/Schedule:

- Design complete: Q4 2018
- Package 1 RW Bid Opening Q1 2019
- Package 1 RW Construction June - Sept 2019
- Package 2 TW Construction June - Sept 2020
2019 ANNUAL AIRFIELD PAVEMENT REHAB

Scope:
• Remove and replace airfield pavement in various locations on ramps and taxiways

Status/Schedule:
• Design complete: Q4 2018
• Project advertisement: Q1 2019
• Construction: June – December, 2019
2019 ANNUAL PAVEMENT REHABILITATION LANDSIDE

Scope of Work:

- Concrete panel replacement/spall repairs on inbound and outbound Peña Blvd from I-70 to the terminal
- Concrete panel replacements in parking lot areas
- May include asphalt pavement repairs on secondary roadways

Status/Schedule:

- Project advertisement: Q4 2018
- Construction start: Q2 2019
- Construction finish: Q4 2019
LANDSIDE EMPLOYEE PARKING LOT

Scope of Work:

• Relocate existing Landside Employee Parking Lot
  • Current: E 78th Ave, East of Jackson Gap St
  • Proposed: E 74th Ave, West of Jackson Gap St
• Construction of approximate 5,000 space surface parking lot
  • Concrete or concrete and asphalt pavement, approx. 37 acres total paved
  • Water quality, piped drainage, lighting, bus shelter, fencing
  • Improvements to Jackson Gap St and Elk St to accommodate additional traffic

Status/Schedule:

• Project advertisement: Q1 2019
• Construction start: Q3 2019
• Construction finish: Q4 2020
PIKES PEAK PARKING RESTORATION

Scope of Work:
• Rehabilitation of the concrete bus lanes and HMA parking facility with PCCP pavement
• ADA and bus shelter island improvements
• Upgrades to the electrical systems and additional signage and lighting upgrades
• Extend life of the lot and improve surface quality

Status/Schedule:
• Project advertisement: Q4 2018
• Construction start: Q1 2019
• Construction finish: Q4 2019
PARKING REVENUE CONTROLS SYSTEM - UPGRADES (PRCS - UPGRADES)

Scope of Work

- Full Parking Equipment Replacement throughout the entire airport
- Modifications to existing civil and island infrastructure to support new equipment
- Install elements to protect the parking equipment

Status/Schedule

- Award design contract: Q3 2018
- Procurement new equipment: Q4 2018
- Issue RFP for construction: Q2 2019
- Issue NTP for construction: Q3 2019
EFSO (EMERGENCY FUEL SHUTOFF) REPAIRS/UPGRADES

Scope of Work:
• Replacement of EFSO panels, replacement of existing field pull stations with new pushbuttons, addition of flow meters and associated controls, repair of known conduit breaks, installation of additional wiring to the valve vaults
• Some Airfield paving will be replaced on a unit price basis as necessary to repair fiber optic cabling

Status/Schedule:
• IFB is being prepared
• Contract advertised: Q4 2018
2019 PASSENGER LOADING BRIDGE (PLB) REPLACEMENT

Scope of Work:
• Remove & Replace six (6) PLBs as part of the annual PLB replacement program

2019 Status / Schedule:
• Confirm gates for PLB replacements: Nov (2018)
• Request funding for the upcoming year: Dec
• Receive funding: February
• Purchase new bridges/begin fabrication: March
• Perform gate designs: March - April
• Permitting process: May - July
• Delivery of bridges: August - September
• Installation of bridges: September – November

Proposed gates for 2019:
A27, A35, A38, A46, B53 and C32
CONCOURSE A, B, C SEWER REPAIRS

Scope of Work:
• Repair existing sewer systems throughout Concourse basements due to leaks caused by heaving soils and corroded pipes

Status/Schedule:
• AGTS Train Wash: Q4 2018
• Conc A Sumps (16): Q4 2018 – Q4 2019
• Conc B & C (42): 2019 - 2020
• Tunnels: 2020 - 2021
CONCOURSE A & C PCA PLANTS RE-LIFE

Scope of Work:
• Increase capacity of the pre-conditioned air system by replacing chillers, heat exchangers, and all associated equipment
• Address heaving by replacing concrete slab-on-grade with a structural concrete slab

Status/Schedule:
• Design: Q2 2018 – Q1 2019
• Project Advertisement: Q2 2019
• Construction: Q3 2019 – Q3 2020
WALLY PARK RE-LOCATION

Scope of Work:
• Replace existing Wally Park facility and parking area with new assets

Status/Schedule:
• On-Call Design contract
• Contract advertised: Q2 2019
• Construction start: Q1 2020

• Site B selected for Wally Park Relocation
Phase 2 – Terminal Complex & Airfield:
- ~199 units to be replaced
- @~$20M
- Design/Build approach in 2019

Phase 3 – Pena & Air Cargo Facilities:
- ~33 units to be replaced in 2020

Phase 4 – South Campus Facilities:
- ~40 Units to be replaced in 2020
CONCOURSE B TRANSFORMER VAULT REHABILITATION

- Concourse B Xcel utility transformers - basement level
- Improvements to the eight (8) vault rooms.