More than 26 million passengers per year…and growing about 1 million per year.
Approx. 340 daily departures to 98 nonstop destinations
Non-stop European flights: Amsterdam, London, Paris
Hub for Delta Air Lines
23rd busiest airport in North America
85th busiest airport in the world
Rank number one for on-time departures
The Need for The New SLC - Aging Facilities

- Concourse B: 55 years
- Concourse C: 38 years
- Terminal Two: 38 years
- Concourse D: 32 years
- Concourse E: 20 years
- Concourse A: 55 years
- Terminal One: 55 years
- Parking Garage: 25 years
- Int'l Terminal: 20 years
Airfield Challenges

Operational Constraints

- Congestion in pockets between concourses
- Lack of gate flexibility (55 gates with jet bridges)
- No loading bridges in Concourse E (30 gates)
- Limited international gate capacity (3 gates)
Operational Constraints

- Undersized hold rooms
- Inadequate restroom capacity
- Undersized concessions
- Limited baggage claim capacity
- Meeter Greeter congestion
- TSA screening checkpoint congestion
Building Challenges

Operational Constraints

- Seismic vulnerability
- No inline baggage screening in Terminal 1
- Aging Central Utility Plant
- Aging utility infrastructure
- Aging facilities that are not energy efficient
Landside Challenges

Operational Constraints

- Limited terminal curb capacity
- Pedestrian and vehicle conflicts on single level roadway system
- Undersized rental car ready return capacity
- Limited covered parking capacity (1,847 stalls)
THE COMMITTEE DECIDED THAT THE FILE NAMING CONVENTION WILL START WITH THE DATE, IN THE ORDER OF MONTH, YEAR, DAY...

... THEN A SPACE, THEN THE TEMPERATURE AT THE AIRPORT, AND THE HAT SIZE OF THE NEAREST SQUIRREL.

TO BE PERFECTLY HONEST, IT WAS A LONG MEETING AND WE PROBABLY DIDN'T DO OUR BEST WORK TOWARD THE END.
It’s new – why would maintenance need to be involved before we move in? And then everything is under warranty for a year right?
The New SLC – Timeline: Phase 1 Completed by 2020

- Terminal/South Concourse West
- Gateway Center/Parking Garage
- Central Utility Plant
- Elevated roadway and TRAX realignment
- First Phase of the North Concourse
The New SLC – Timeline: Phase 2 Completed by 2024

- Begin demolition of existing facilities
- North Concourse East
- South Concourse East
The New SLC – Ticket Lobby (Level 3)
The New SLC – The Canyon, Meeter/Greeter, Checkpoint (Level 2)
The New SLC – The Plaza (Level 2)
Phase 2 Construction
Final Phase Completed
Lessons Learned

- Get started
- Walk before you run
- Be patient
Maintenance Success - Getting started

Plan of Execution – created

Standardization

Reviews

Use expertise of local contractors:
  Roofing
  Loading bridges
ARP Commissioning Administration

Bruce Arnold
Asst. Director, Facilities Maintenance

Ronnie Cowlishaw
Civil Maintenance Warranty/Commissioning Manager

Nick Williams
Facilities Support Coordinator
Brett Jacobsen
Facilities Maintenance Plant Supervisor
Cameron Retcliffe
Facilities Support Coordinator
Thomas Warner
Facilities Support Coordinator
Jordy Gee
Facilities Support Coordinator
How do you measure success?

Tangible vs. intangible

How do you measure what you can’t see?

Easy to measure what was missed vs. what was avoided
➢ Expansion bellows in terminal tunnel
➢ Water closet carriers
➢ Tenant isolation valve locations
➢ Secondary hydronic isolation valve locations above concourse ceiling
➢ Restroom isolation valves above ceiling
➢ Restroom isolation valves/hammer arresters in accessible locations
➢ High-point bleed off valve access in concourse
➢ BIM – LOD 400 / coordination
➢ Red team meetings
➢ Emergency power in public restrooms
➢ Access doors to TU coils, controls, & valves
➢ Denshield instead of cement board behind tile
IR windows in electrical distribution equipment
Restroom accessories
Proper power requirements & layout for restroom devices and fixtures
Added floor drains to companion restrooms
Restroom isolation valves located on same level as equipment served
Stainless steel grease waste from tenant areas
Proper maintenance access in CUP around OHDs. (30” hydronic pipe)
Fire alarm / electrical labeling specifications
EOL cleanouts extended above flood rim of fixtures served
Plumbing chase access points
Equipment labeling Matrix
PVC waste, drain, & vent piping
Maintenance Success - mostly

➢ Training
➢ ACCESS ACCESS ACCESS ACCESS (What does reasonably accessible mean to you?)
➢ Standardization
➢ Attic Stock
➢ Assisting the building inspector to ensure code is met
➢ 80% of maintenance staff has toured the facility
Most recent photos – South Concourse – Open September 2020
Most recent photos – North Concourse – Open October 2020
Most recent photos