DFW Airport Infrastructure Update

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DFW – Economic Engine for North Texas

$37 Billion
Annual economic impact

228,000
Jobs supported

$12.5 Billion
Supported payroll
DFW has grown into a “global super-hub” for airline activity with 65 million passengers per year.
17,207 ACRES
THIRD LARGEST IN THE WORLD
44 YEARS OLD
10-YEAR INFRASTRUCTURE PLAN
TERMINAL RENEWAL AND IMPROVEMENT (TRIP) PROGRAM

7 YEARS, 3 TERMINALS, $2 BILLION

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TRIP Program Highlights

RENOVATED
2.9M SF
TOTAL SPACE

INSTALLED
670K SF
TERRAZZO FLOORING
220K SF
EXTERIOR WINDOWS

106
GATES RENOVATED

10
NEW GATES CONSTRUCTED

9
TICKET HALLS RENOVATED
TRIP Program Highlights - Renovations

- **$165M**
  - Electronic Safety, Security, and Communications Improvements

- **$40M**
  - Fire Suppression Upgrades

- **$75M**
  - Baggage Handling System Improvements

- **29M**
  - Pounds of materials recycled

- **$4M**
  - Proceeds from recycling program

- **$520M**
  - MEP systems value

- **4100**
  - MEP systems installed & commissioned

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TRIP Program Highlights - Concessions

- **$88M**
  - INVESTMENT IN NEW CONCESSIONS
  - 122 NEW SPACES CONSTRUCTED
  - 46% INCREASE IN CONCESSIONS SPACE

- **$16M**
  - INVESTMENT IN 2 NEW LOADING DOCKS

- **35.6K SF**
  - SF NEW CONCESSIONS
  - STORAGE SPACE ADDED

- **168K SF**
  - IN NEW CONCESSIONS SPACE

- **122**
  - NEW SPACES CONSTRUCTED
TRIP Program Highlights - Parking

- NEW GARAGES
- NEW SPACES WITH PARKING GUIDANCE SYSTEM
- TERMINAL E ELECTRICAL VEHICLE CHARGING STATIONS

2 NEW GARAGES
12,000 NEW SPACES WITH PARKING GUIDANCE SYSTEM
8 TERMINAL E ELECTRICAL VEHICLE CHARGING STATIONS
TRIP Program Highlights - Asbestos

1200

CONTAINMENTS OF ASBESTOS CONTAINING MATERIALS

$100M

VALUE OF ASBESTOS MITIGATION
TRIP Program Highlights - Contracting

16M MAN HOURS WORKED
719 FIRMS WORKED ON TRIP
$947M CONTRACT DOLLARS PAID TO DMWBE FIRMS
42.7% DMWBE PARTICIPATION
What’s Next?
Significant Infrastructure to Maintain, Restore and Enhance

- 7 Runways
- 12 Airfield Bridges
- Over 75 M SQ. FT. of Airfield Pavements
- 1,288 Lane-Miles of Roadways
- 133 Landslide Bridges
- Utilities Network:
  - 1.1 Million Linear Feet of Water and Sanitary Sewer Pipes
  - 1.4 Million Linear Feet of Stormwater Lines
  - 40% of Stormwater System is 47 Years Old
Airfield Projects
2018 – 2022
Pavement & Electrical

- Runway 18L/36R (Built 1973)
- Runway 18R/36L (Built 1984)
- Runway 13R/31L (Built 1986)
- Runway 17R/35L (Built 1973)
- Runway 17C/35C (Built 1984)
- Runway 17L/35R (Built 1973)
- Runway 17L/35R (Built 1996)
- Runway 13L/31R (Built 1973)
Roadway, Bridges & Subsurface Infrastructure Projects
2018 - 2022

Rehabilitation of some landside utilities systems will be completed with associated roadway projects.

Bridges at or near 40 year service life, need to be replaced over the next decade.
Work on Terminal/Facilities Infrastructure will continue
Water/Wastewater/Stormwater Conveyance Systems
Replacement is Important

• Expansive water / wastewater / stormwater subsurface infrastructure network
• Systems designed and built more than 44 years ago

Sanitary Sewer Lines

360,000 linear feet

Potable Water Lines

760,000 linear feet
Oncor Electrical Distribution System

- Significantly modified in the early 2000s to accommodate Terminal D, Skylink, and Energy Plaza
- All electrical vaults in Terminals A, B, and E were upgraded during TRIP
- All critical Airport assets have redundant power sources

Originally Constructed

Investment 2016 - 2018

1969

$40M

Oncor & DFW
Atmos Natural Gas Distribution System

- Early 2000s the Energy Plaza’s natural gas fired steam-turbine chillers were removed and replaced with electric chillers.
- From 2010 to 2017 natural gas service was added to Terminals A, B, D, and E.
- Current assessments show the overall natural gas distribution system to be structurally sound.

Originally Constructed
1960s

Reduced Load by
1/3
On Natural Gas Distribution System
DFW Airport Development Projects

Perot Development - Logistics Center 6 & 7
• 10.2+/- acres; 40-yr lease (Aug 2017)
• Two buildings; 67,500 SF and 74,400 SF

Trammell Crow - CIS Associates
• 25.6+/- acres; 40-yr lease (Feb 2018)
• One building; 260,000 SF

Proposed Southeast Air Cargo Development
• 120+/- acres

Robinson Weeks - Walnut Hill Industrial Owner
• 33+/- acres; 40-yr lease (Apr 2018)
• One building; 562,120 SF

Perot Development (proposed) – Logistics Center 8, 9, 10
• 197+/- acres

Copeland Commercial Phase I of 3 – DFW Commerce Center
• Phase I 59+/- acres (total 170); 40-yr lease (Jan 2018)
• Phase I building 1,000,800 SF (total 2.8M SF)

Passport Business Park - East – 360 acres
• Drive Nation Sports – 16.2 acres 93K SF
• Bandera Ventures – 80 acres 1.4M SF
• Mixed Use – 240 acres
• Industrial Warehouse Distribution
DFW Airport Development Projects

- Water
- Reclaimed Water
- Sanitary Sewer
- Storm Sewer
- Electrical Duct Banks
- Communication Duct Banks
- Atmos Gas
- Landscaping and Irrigation along Spine Roads

- Sidewalk to Southgate
- Spine Roads
- Mass Grading East Side of Passport Park (360 acres)
- Sanitary Sewer line on West Side is included in this scope to allow for future development of Southgate and other areas north (Walnut Hill)
- West side of Passport Park (240 acres) not in scope except the sanitary sewer shown

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DFW Airport Development Projects

Integrated Operations Center

Terminal D South Expansion
Rehabilitating DFW's infrastructure and planning for the future remain priorities. This year, the following programs will commence construction:

- Airfield Pavements Program
- Roadways and Bridges Program

Asset restoration and enhancements are continuous initiatives for airports and necessary to continue serving our community. The planning and programming will continue for:

- Subsurface Infrastructure Master Plan
- Facility Master Plan

Closing Remarks