



# Raleigh-Durham Airport Authority

Business Opportunity Workshop

Michael J. Landguth, President & CEO

September 10, 2019



Raleigh-Durham Airport Authority



# Agenda

**01** Who We Are

**02** State of RDU

**03** Vision 2040  
Projects

**04** Business Community  
Engagement







# Who We Are:

## Vision, Mission & Core Values



Raleigh-Durham Airport Authority



**VISION**

To deliver a world-class airport experience

**MISSION**

To deliver excellent airport services, facilities  
and unparalleled customer service

**CORE VALUES**

Learning, Integrity, Team,  
Excellence and Respect

Authority employees  
are hired and assessed  
according to RDU's  
Core Values

We hold our business  
partners to the same  
standards

# Core Values Propel Our Performance



**TEAM** – We help each other succeed and are proactive collaborators.

**INTEGRITY** – We do the right thing for our customers and each other. Every time.

**RESPECT** – We value what each person brings to the team and appreciate differences in opinions, backgrounds and ideas.

**EXCELLENCE** – We strive for excellence in everything we do. Our team and our customers deserve nothing less.

**LEARNING** – We look for and take advantage of every opportunity to become better at what we do, both individually and as a team.

# State of RDU



Raleigh-Durham Airport Authority



# State of RDU

- Since 2011
  - Added 5 new airlines
  - 29 new non-stop destinations

## BOTTOM LINE

RDU MUST KEEP PACE WITH ROBUST REGIONAL GROWTH.

- Today 13 airlines fly to 62 non-stop destinations
- Record 12.8 million passengers
- Projected growth of at least 10% this year



# Economic Impact on the Region



**\$12.5 Billion** in Economic Output

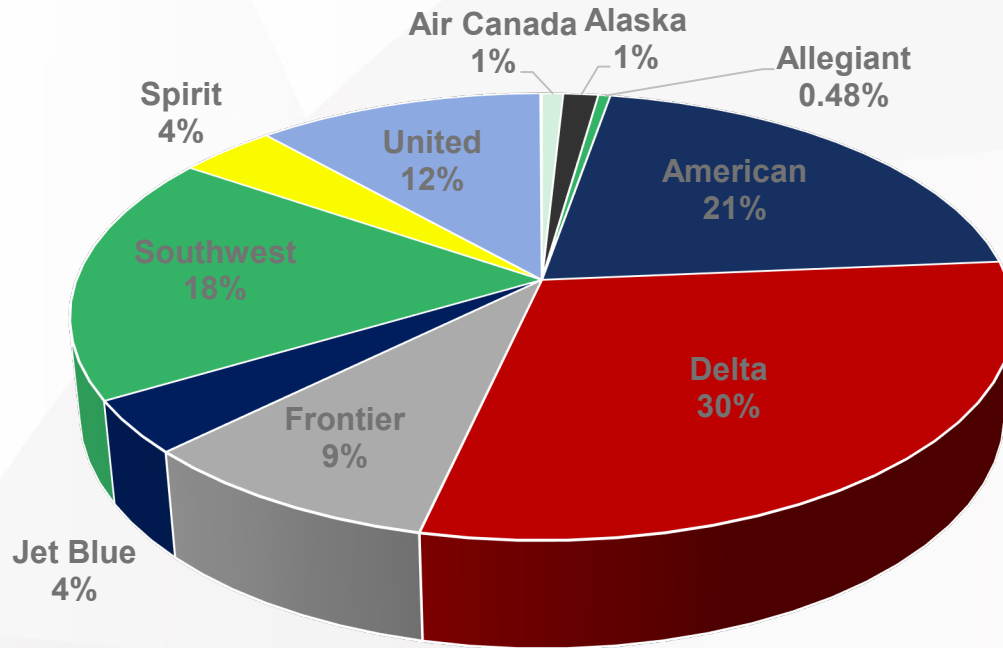


**\$450 Million** in State and Local Taxes



Raleigh-Durham Airport Authority

# Diversified Airline Mix



AIR CANADA 

Alaska

allegiant 

American Airlines 

 DELTA

**FRONTIER**  
AIRLINES

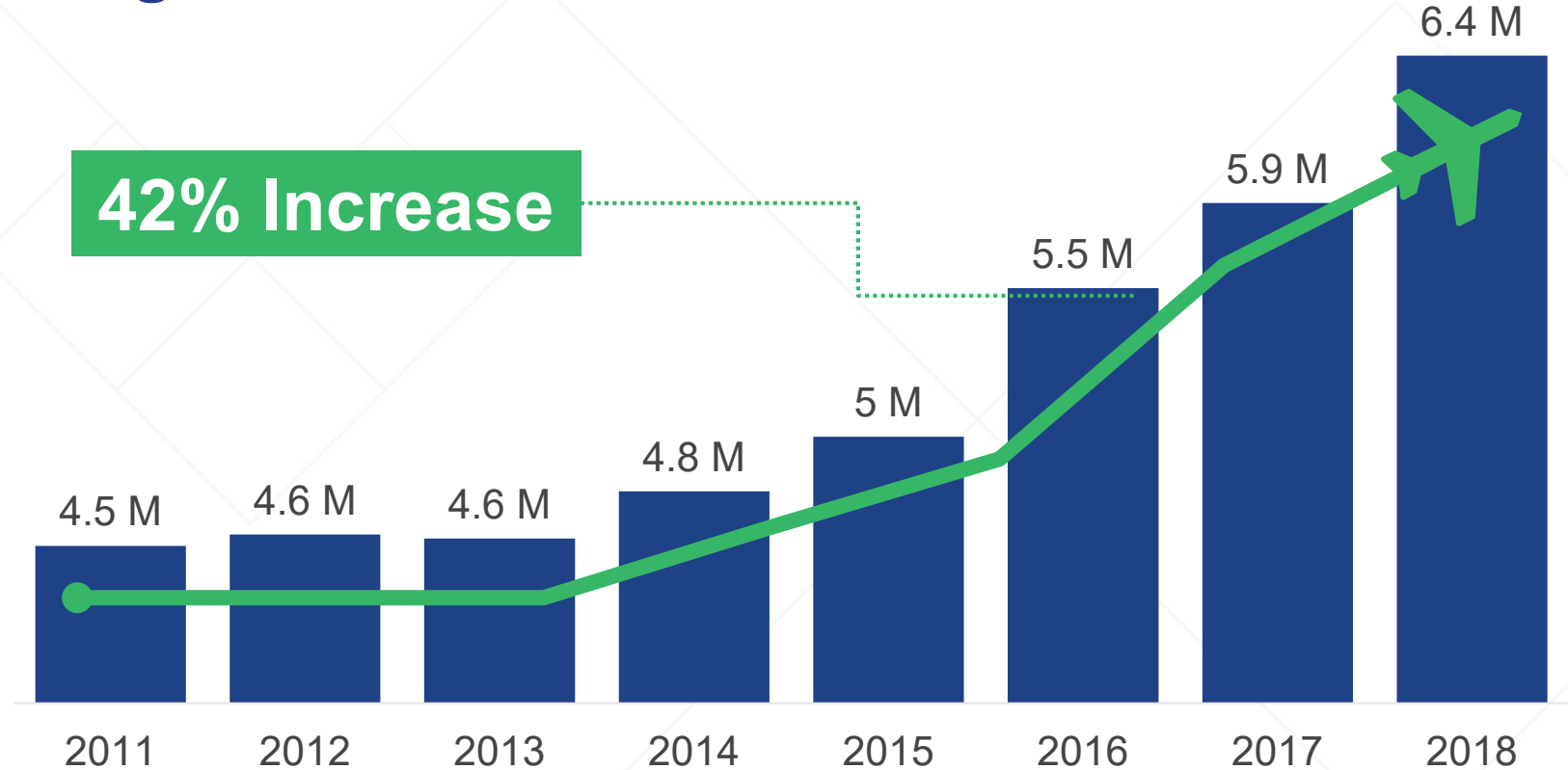
jetBlue

Southwest

**spirit**  
Less Money. MORE GO.

UNITED 

# Passengers Boarded 2011- 2018





# Keeping Pace With Growth

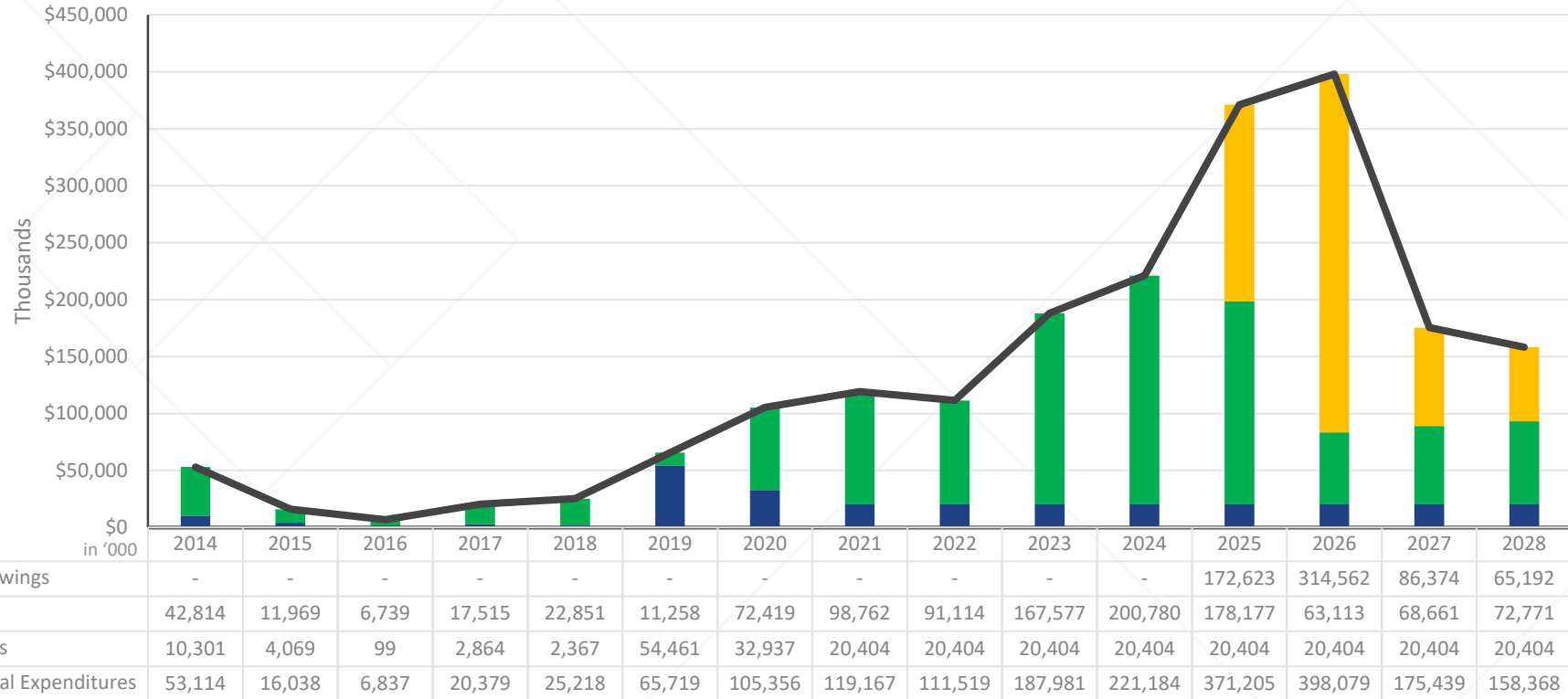
Annual enplanements at RDU, compared to original projections

2016	2017	2018	2019
<b>5.2M</b>	<b>5.9M</b>	<b>6.5M</b>	<b>7.1M</b>
2017 levels	2023 levels	2027 levels	2031 levels



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# Actual/Forecast Funding of Capital Plan



# Vision 2040 Projects



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**01** Airfield  
Improvements

**02** Terminal  
Development

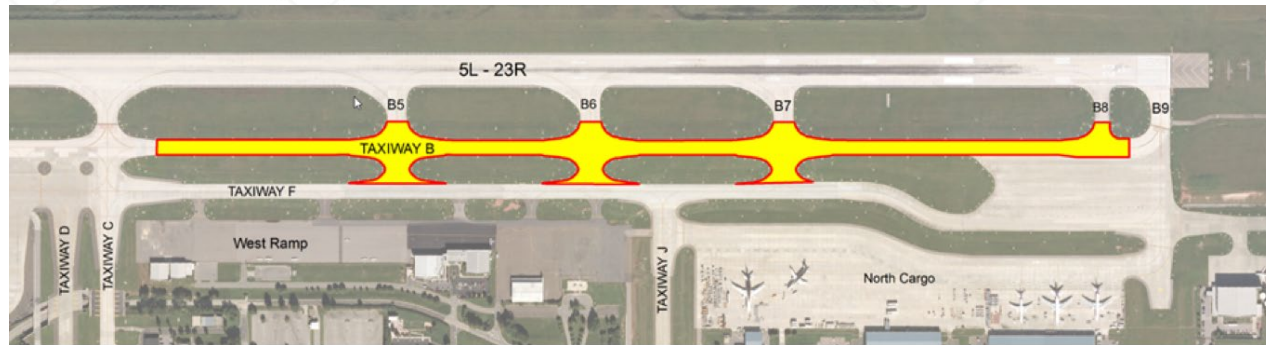
**03** Ground  
Transportation

**04** General  
Aviation

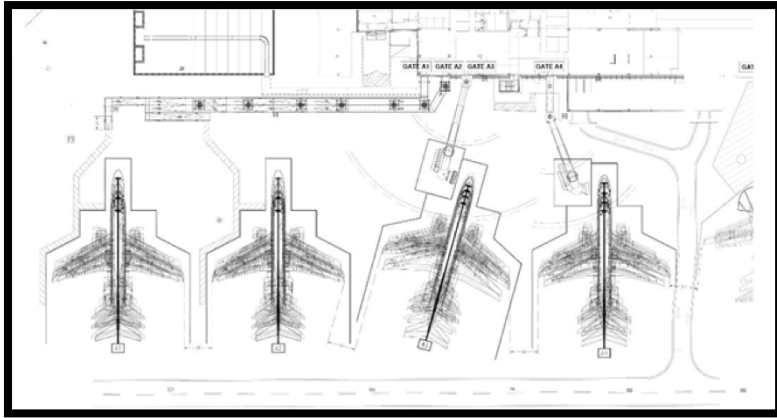




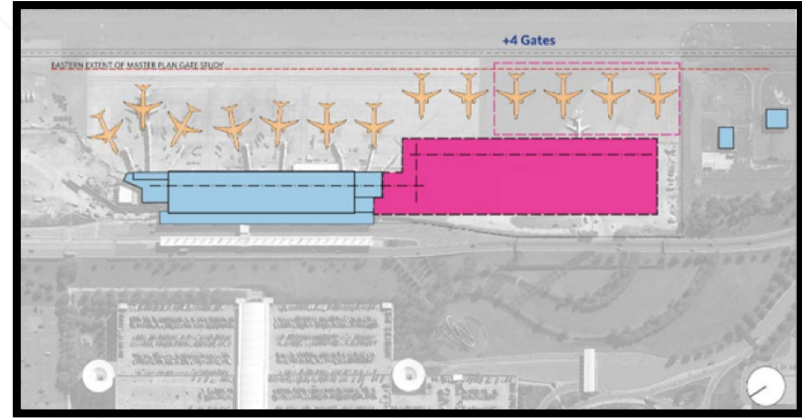
# Airfield Improvements



# Terminal Development



Terminal 1- Gate Activation



Terminal 1- Gate Expansion

# Consolidated Rental Car Facility and Ground Transportation Center



# Urgency to Accelerate RDU's Vision 2040 Airport Master Plan

- Vision 2040 is eight years ahead of schedule.
- Nearly \$1 billion in deferred projects now fall within the 25-year plan.
- The Vision 2040 master plan has grown to nearly \$4 billion.
- With a significant financial gap, RDU is trying to create solutions to fund Vision 2040 acceleration.





# Business Community Engagement



Raleigh-Durham Airport Authority

# Business Community Engagement

- ▶ **Good cultural and business fit with RDU**

  - RDU's core values

  - Provide expertise and value to help build world class facilities

- ▶ **Encourage business community engagement on key RDU funding issues**

  - Support the Authority's ongoing efforts to advance a self-sustaining business model

  - Promote the continued growth and viability of the airport

- ▶ **Support an increase to the Federal Passenger Facility Charge (PFC)**

  - The federal cap has not increased since 2000

  - Modernizing the federal cap would allow RDU to address its infrastructure needs





# Mary Griffith

Director of Community Affairs

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Connect With Us:





# Raleigh-Durham Airport Authority

Business Opportunity Workshop

William C. Sandifer, Senior Vice President & COO  
September 10, 2019



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# Topics

- RDU Staff Introductions
- Workshop Format
- Schedule







# Raleigh-Durham Airport Authority

Business Opportunity Workshop

Ron Jewett, VP Facilities Asset Management  
September 10, 2019



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# Agenda

- Background Information
- Current Projects
- Current Consultants
- Questions

**Architects/  
Building  
Consultants**

**Civil Engineering  
Consultants**

**Sign Consultant**

# Capital Program Statistics

- \$724M over last 12 yrs. (\$60M/Yr)

## Current Contracts

- \$32M Consulting Contracts
- \$201M Construction Contracts



# Capital Program Statistics

## Current Contracts

- 11 Prime Consultants
- 5 Prime Contractors
- 2 Construction Managers At-Risk  
(Building & Civil Work)



# Architect/ Building Consultant

- Building & Building Systems Condition Assessments
- New Construction Planning & Design
- Retrofits
- Demolition



# Buildings & Building Systems



- - Architectural planning and design services
- - Structural engineering (buildings, foundations, roofs, hangars, etc.)
- - Mechanical, electrical and plumbing (MEP) engineering
- - Heating, ventilation and air conditioning (HVAC) engineering
- - Fire protection engineering
- - Interior and exterior lighting consulting
- - Building management systems consulting
- - Horizontal and vertical circulation and passenger load modeling
- - Horizontal and vertical conveyance systems consulting
- - Baggage handling systems consulting
- - Airport/Emergency Operations center planning and design
- - Aircraft circulation modeling and layout consulting
- - National and local code compliance consulting (building, hangar, fire, electric, etc.)
- - Information technology / communication systems (IT/IS) consulting (Paging, AOIS, FIDS, BIDS, premises network systems, etc.)
- Cost estimating services
- Passenger Boarding Bridge systems
- SAACS and CCTV

The Gensler logo consists of the word 'Gensler' in a white, bold, sans-serif font, centered within a solid red rectangular background.

**Gensler**



# Building Condition Assessments



Raleigh-Durham  
International Airport

---

Building 7: South  
Cargo 2  
1035 Airside Drive

Volume I

Feasibility Study  
June 17, 2013



Raleigh-Durham Airport Authority

# Building Retrofits – Conference Room



# Building Retrofits – Checkpoint Expansion





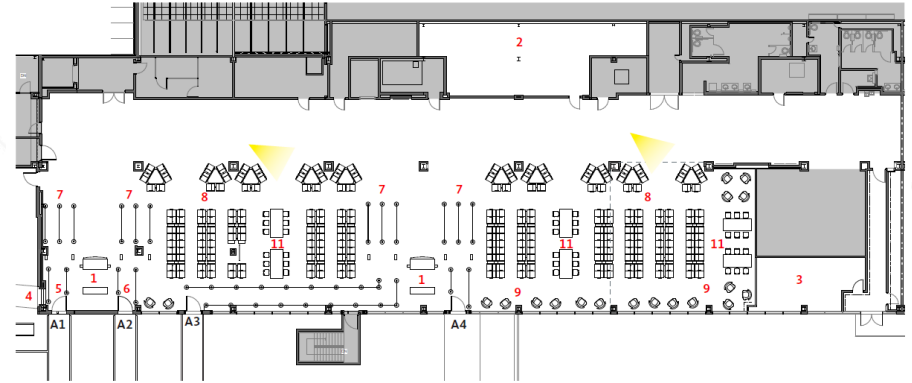
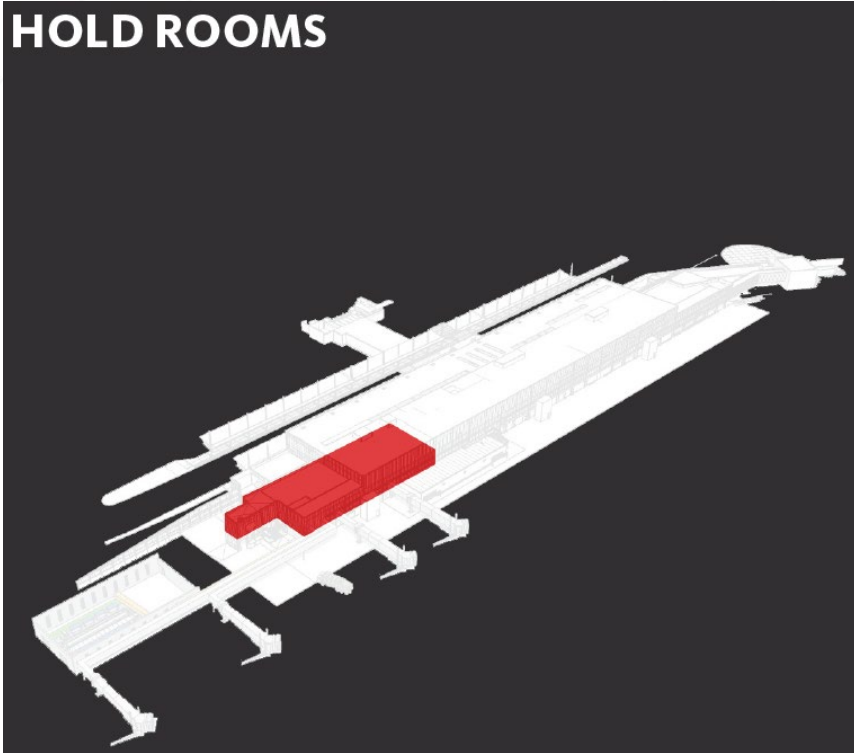
# Terminal 1 Four-Gate Activation





# Terminal 1 Four-Gate Activation

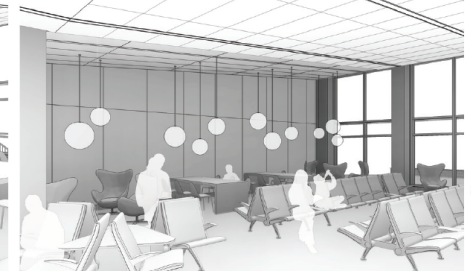
## HOLD ROOMS



HOLD ROOMS PLAN



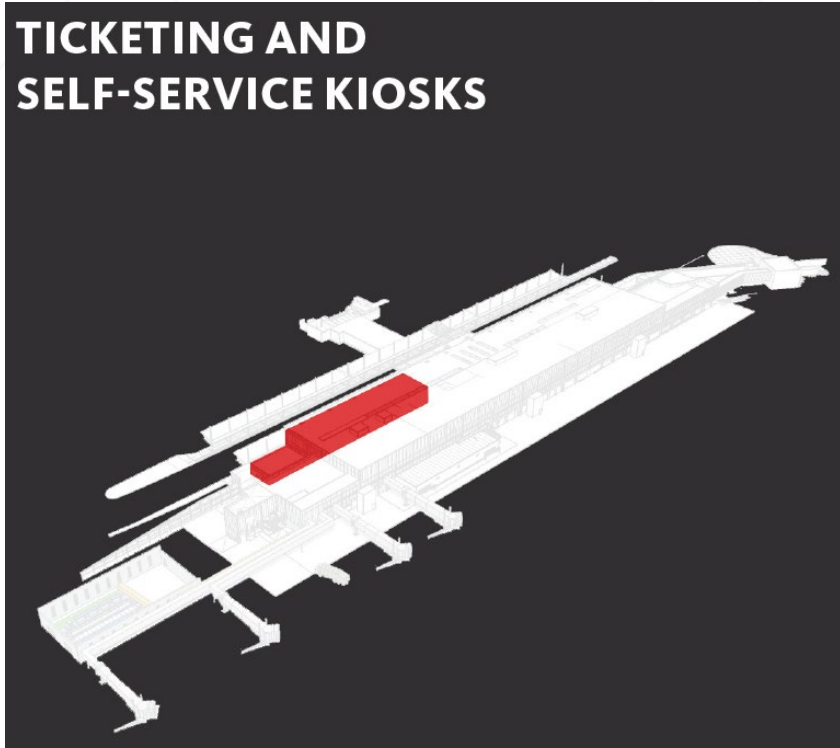
OVERALL HOLD ROOM PERSPECTIVE - FACING PLAN EAST



BACK WALL PERSPECTIVE WITH WALL PANELS AND ACCENT LIGHTING - FACING PLAN EAST

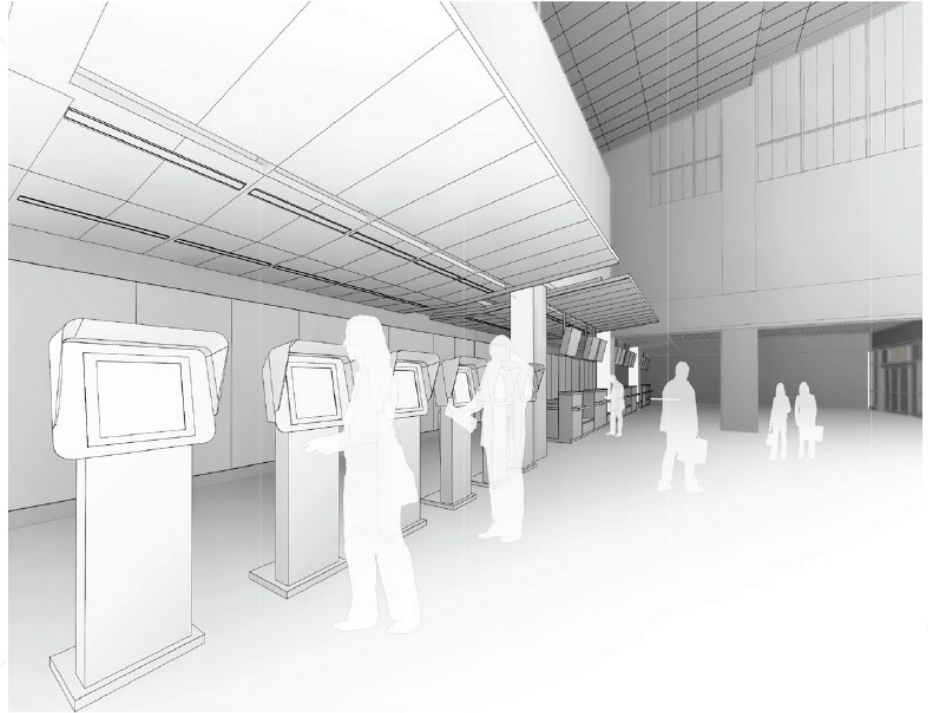
# Terminal 1 Four-Gate Activation

## TICKETING AND SELF-SERVICE KIOSKS

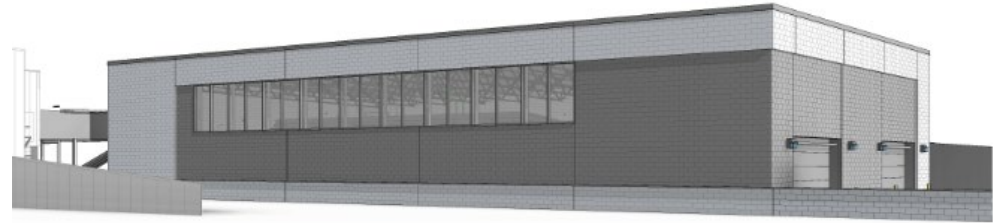
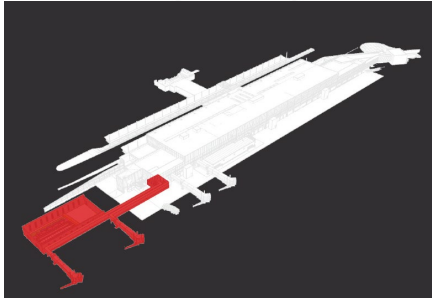


## TICKETING

### SELF-SERVICE KIOSKS - OPTION 1



# Terminal 1 Baggage Handling Facility



# Civil Engineering

- Taxiway Reconstruction
- Runway Re-paving
- Roadway Re-paving
- Security Gates & Fence
- Utilities
- Parking Garages
- Project Specific Planning

# Airside/Landside Civil Engineering

**AECOM**

- Civil engineering including structural, bridges, drainage, pavement, roadway, and traffic control design.
- Landscape architecture and irrigation design.
- Land surveying.
- Geotechnical engineering
- Pavement conditions assessment and pavement management.
- Airfield lighting and guidance systems engineering.
- Roadway lighting and electrical engineering.

**RS&H**

- Structural engineering (including concrete and metal structures).
- Utility engineering (including water distribution, sewer collection, and communications/information technology infrastructure).
- Mechanical engineering (including fuel storage/distribution facility and hydrant piping system).
- Cost estimating.
- Construction inspection

**WK  
DICKSON**

**DELTA AIRPORT  
CONSULTANTS, INC.**





# Taxiway F Rehabilitation



North End (comp.)

South End (ongoing)



# Taxiway F Rehabilitation

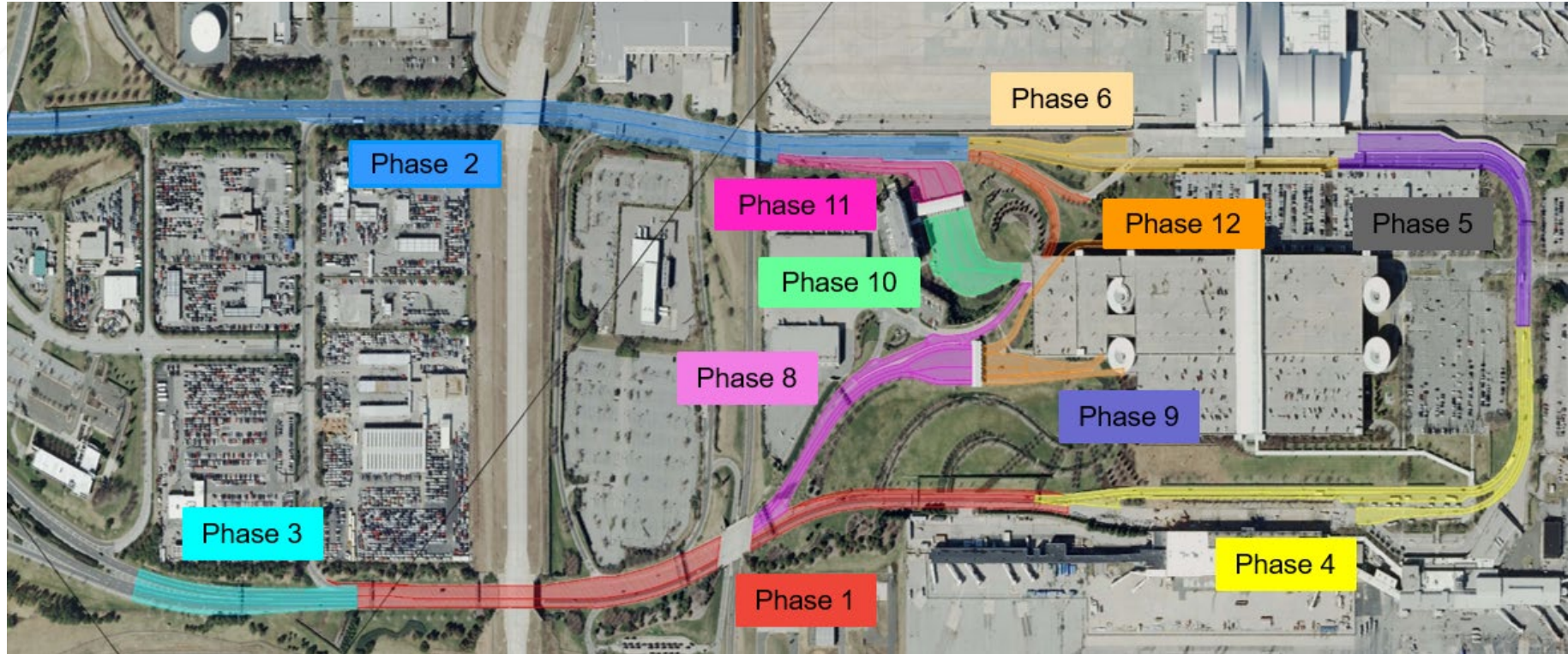


# Runway 14-32 Re-paving





# John Brantley Boulevard Rehabilitation



# John Brantley Boulevard Rehabilitation



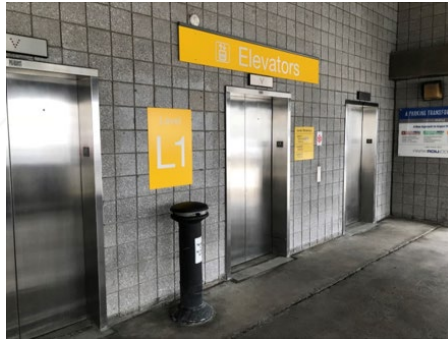


# Parking Garage Rehabilitation



Traction Elevators

Hydraulic Elevators



Powered Walks

Escalators



# Airport Signage

- Terminal Signage
- Roadway Signage
- Parking Lot Signage



# Terminal Signage



# Terminal Signage





# Roadway Signage





# Signage: Recent Additions

## Terminal 2

Air Canada	Delta	United
Alaska	Frontier	Via
Allegiant	JetBlue	
American	Spirit	

All International Arrivals

← Airport EXIT  
Terminal 1 2  
P Terminal  
Parking  
P Express  
P Economy 4

P Express  
P Economy 4  
General Aviation  
North Cargo

NEXT RIGHT



# Questions?



Raleigh-Durham Airport Authority



# Raleigh-Durham Airport Authority

## Business Opportunity Workshop

Thiané Carter

Director of Small Business Programs

September 10, 2019



Raleigh-Durham Airport Authority

# Small Business Programs

- RDUAA has two programs designed to foster the inclusion of minority and women-owned small businesses
  - **Federal** Disadvantaged Business Enterprise (DBE)
  - **RDUAA** Minority and Women-owned Small Business (MWSB)
- RDUAA requires that its business partners make an effort in good faith to achieve MWSB or DBE goals
- Most contracts have MWSB goals; Federally assisted contracts have DBE

# What are MWSBs?

- Small businesses owned, operated and controlled by individuals that are:
  - Black American,
  - Hispanic American,
  - Asian American,
  - Native Americans, or
  - Women



# MWSB Program Goals

- There are separate goals for the participation of minority-owned small businesses (MB) and women-owned small businesses (WB)
- The goals are determined based on the type of work being performed and the availability of MB and WB firms
- Past goals:
  - Architecture, Engineering, Planning – 10% MB, 5% WB
  - Construction at Risk Services - 10% MB, 5% WB
  - Construction – Varies widely based on scope

# MWSB Program Results – 5 Years

- \$32 million in consultant fees
- \$201 million in construction contracts
- On-call consultants:
  - 10.9% MB & 12.8% WB participation
- Construction contracts:
  - 7.7% MB & 16.1% WB participation

# MWSB Program Certification

- RDUAA accepts various certifications
  - NCDOT – Disadvantaged Business Enterprise – **DBE**
  - SBA 8(a) Business Development Certification – **SBA 8(a)**
  - Women's Business Enterprise National Council – Women-Owned Small Business – **WOSB**



# MWSB Program Certification

- RDUAA must verify **business size** for these certifications
  - NCDOA – Historically Underutilized Business – **HUB**
    - Minority or women-owned HUBs only
  - Carolinas-Virginia Minority Supplier Development Council – **CVMSDC**





# Small Business Contract Compliance System

Log In

## Vendor Certification

Search and/or join our database of certified vendors

[Search Certified Directory](#)

## System Training

Learn how to fully utilize our system with a live trainer

[Training List](#)

## Business Opportunities

Find a list of current business opportunities available with the Raleigh-Durham Airport Authority.

[View Opportunities](#)

## About the System

Learn more about this system and how it works today

[Information for Vendors](#)

## Account Access

Lookup Vendor accounts or reset user passwords

[Account Lookup](#)

[Forgot Password](#)

## RDUAA Small Business Programs

Find additional information and resources through Raleigh-Durham Airport Authority small business programs webpage.

[RDUAA Small Business Programs](#)

# Locating MWSBs

- RDUAA certified directory
- [www.rdu.com/mwsbdirectory](http://www.rdu.com/mwsbdirectory)
- Includes DBE firms from NCDOT



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# Questions?



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# Break Meet and Greet RDU Staff



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## Business Opportunity Workshop

Jaymes W. Carter

Director: Buildings & Building Systems

September 10, 2019



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# Upcoming Construction Projects

- Terminal 1: Expansion
- Terminal 2: FIS Facilities Expansion
- Terminal 2: Landside Expansion





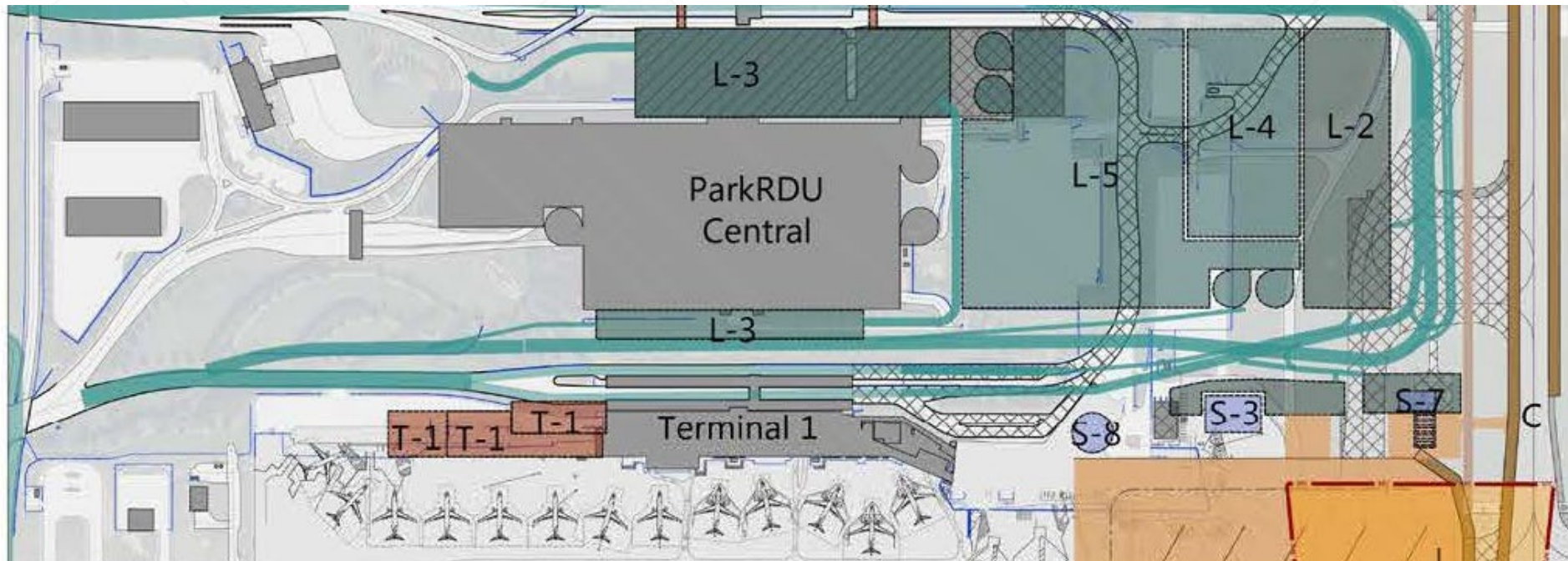
# Upcoming Projects

## Design (and Construction) Opportunities

- Maintenance: Snow Equipment Building
- Campus Building Assessment
- Terminal 2: Modernization
- Terminal 1/2: Restroom Modernization
- Terminal 1/2: Restaurant Refresh (Design Support)
- GA Campus Development (Design Support)



# Terminal 1: Expansion

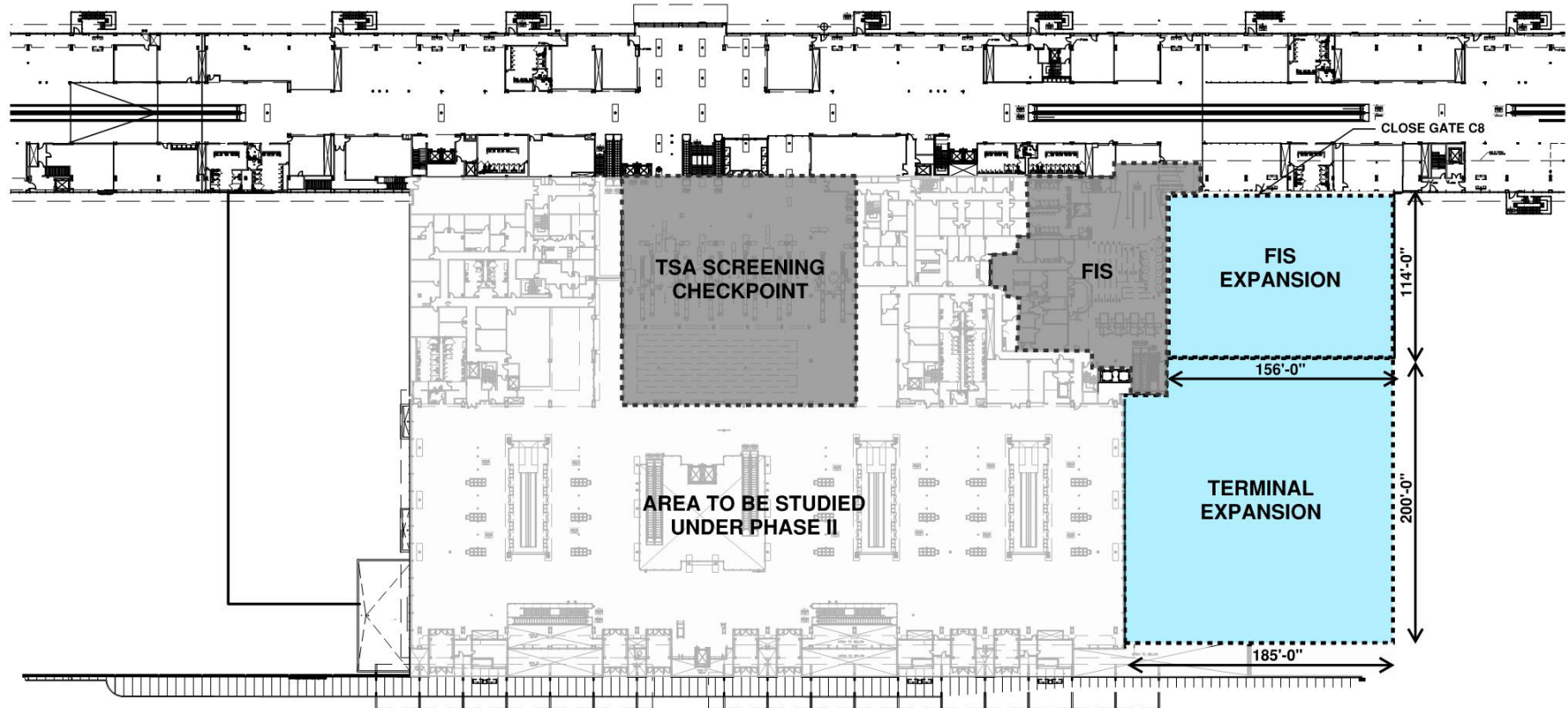


# Terminal 2: FIS (Federal Inspections Station) Facilities Expansion



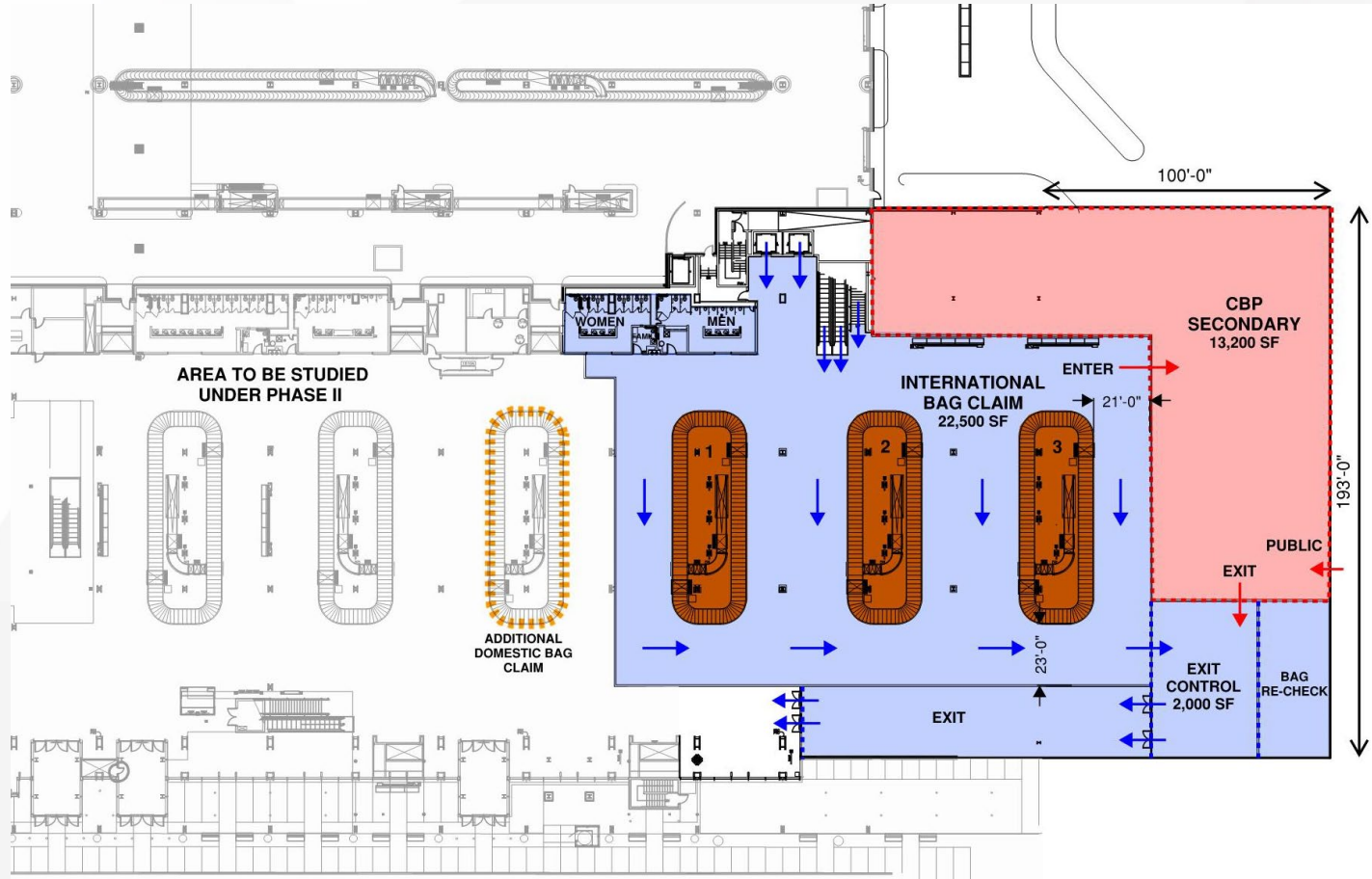


# Terminal 2: FIS (Federal Inspections Station) Facilities Expansion

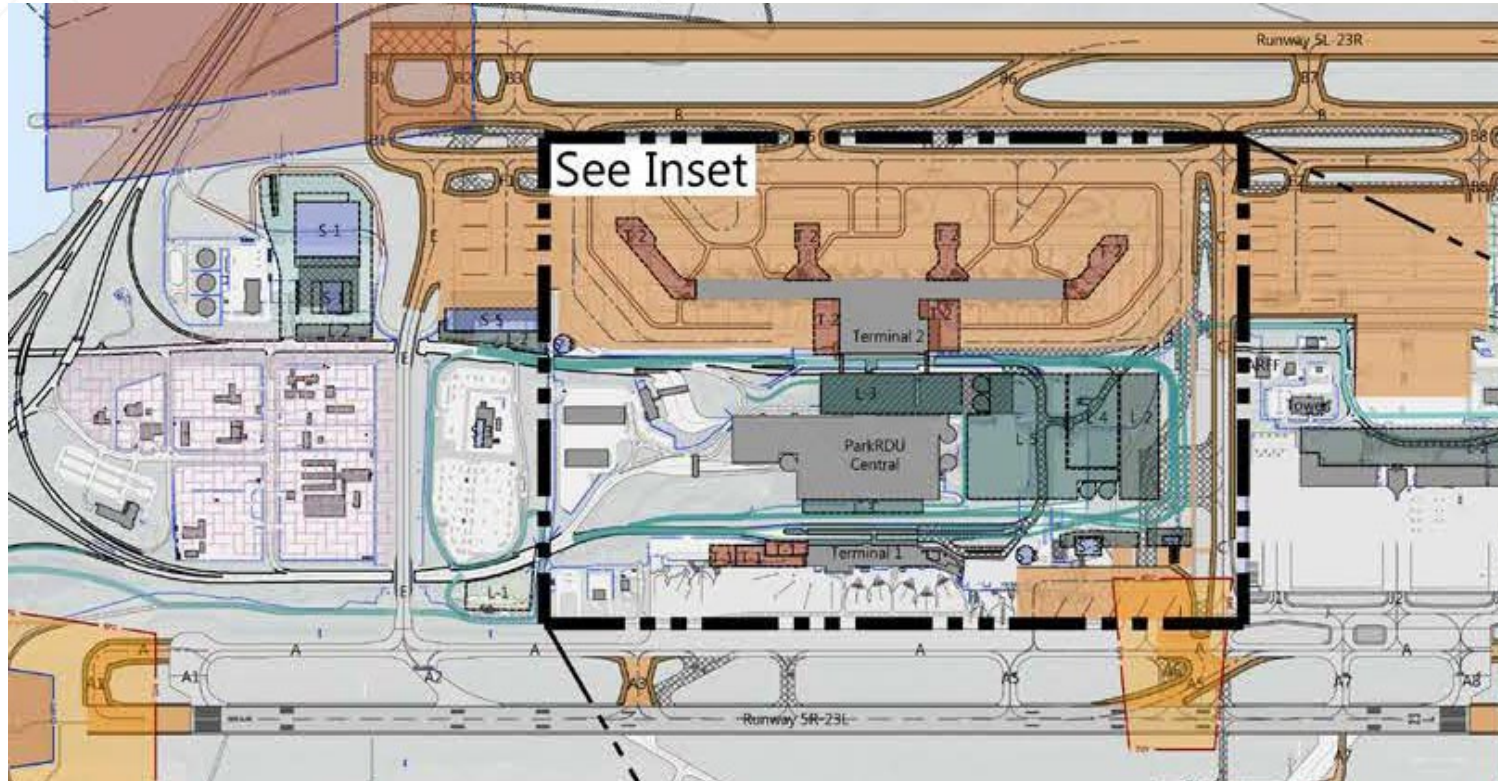




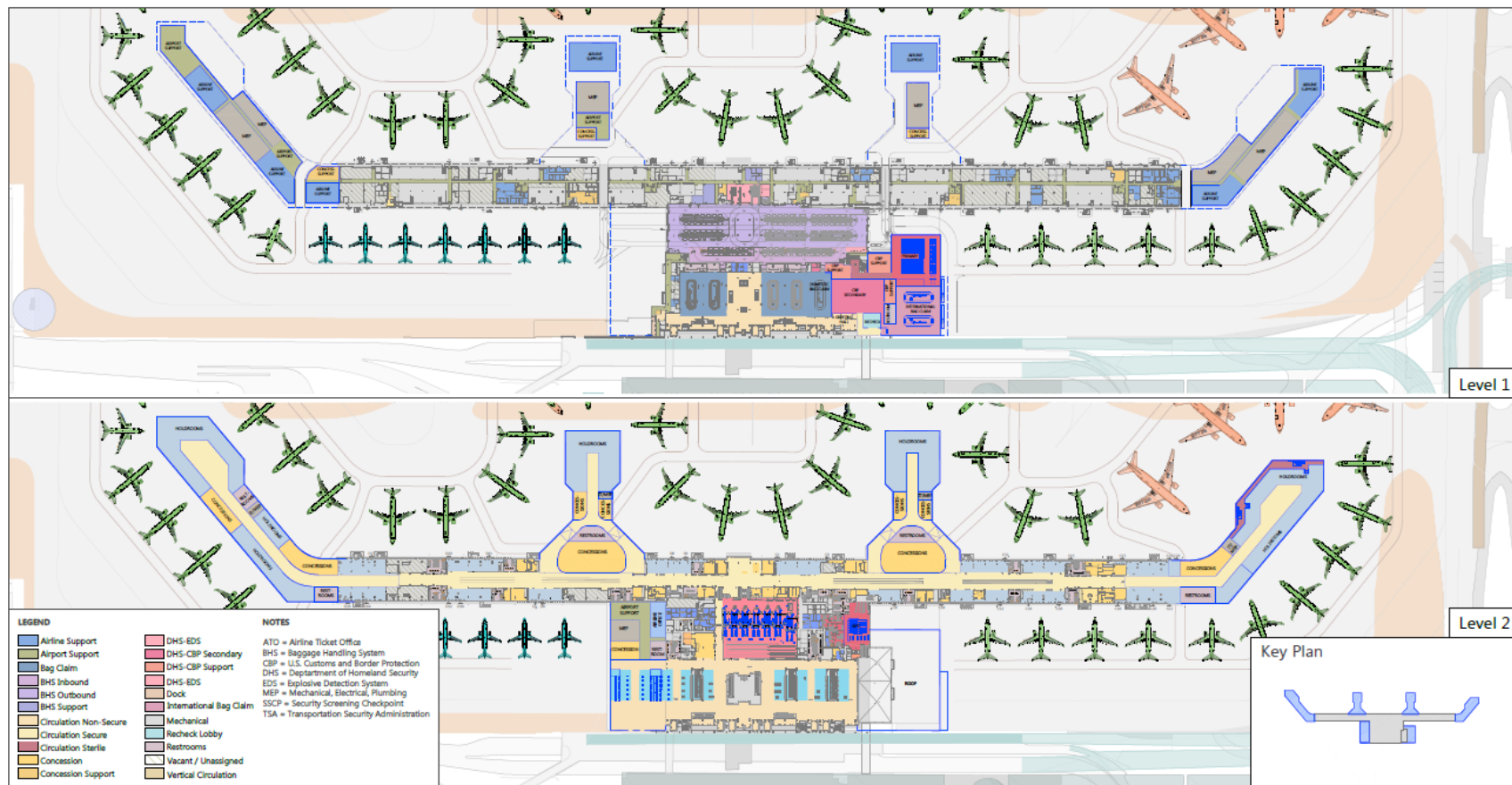
# Terminal 2: FIS (Federal Inspections Station) Facilities Expansion



# Terminal 2: Landside Expansion



# Terminal 2: Future Expansion



SOURCE: Quantum Spatial Inc., January 2016; Ricardo & Associates, Inc., August 2016.  
 PREPARED BY: Ricardo & Associates, Inc., August 2016.

EXHIBIT 6.2-5

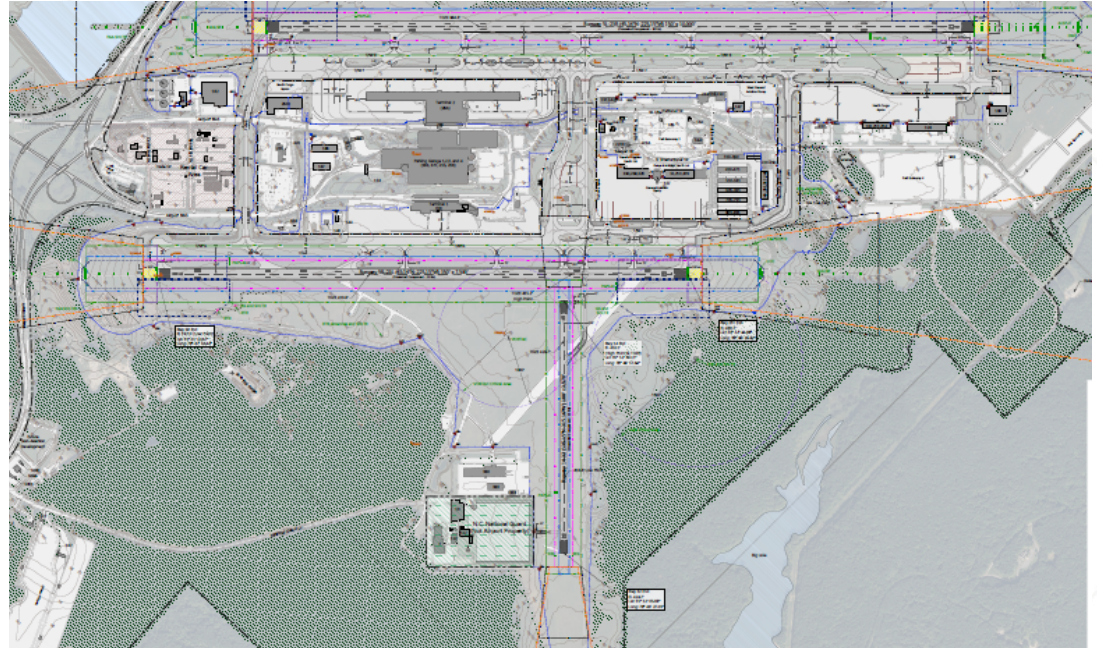


# Maintenance: Snow Equipment Building

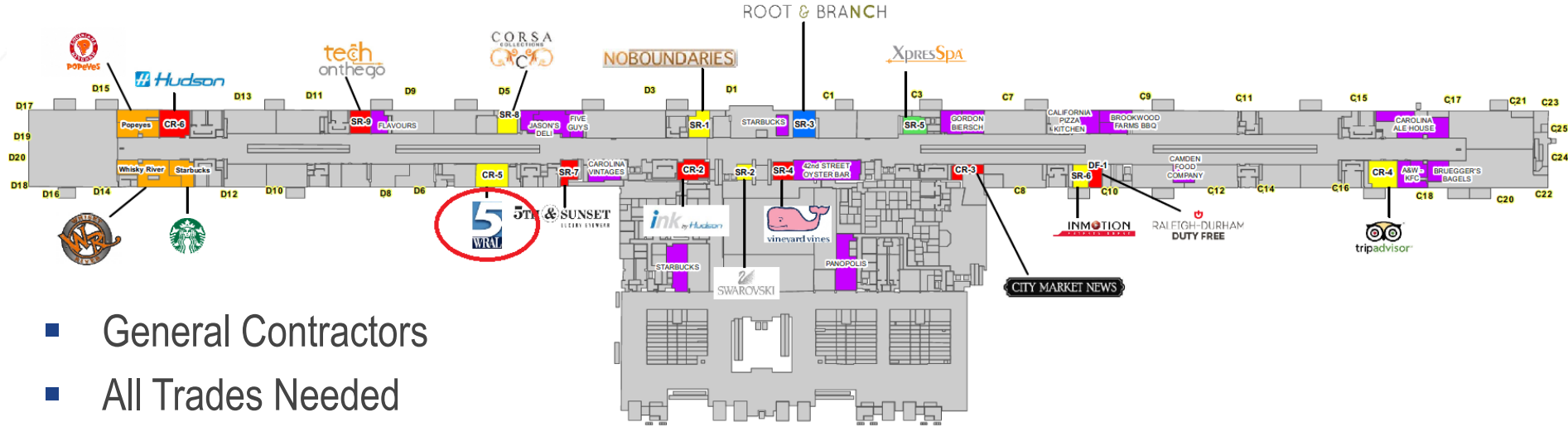




# Updating the Campus Building Assessment



# Tenant Projects: Terminal 2 Restaurant Refresh

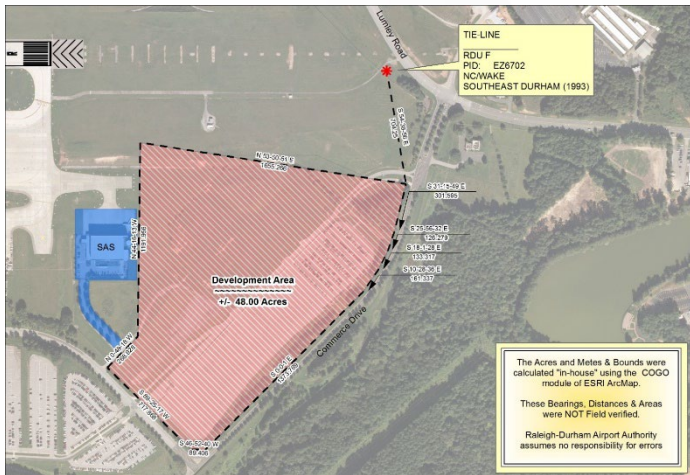


- General Contractors
- All Trades Needed
- Plumbing, Mechanical, Electrical
- Fire Protection, Drywall, Painting, etc.

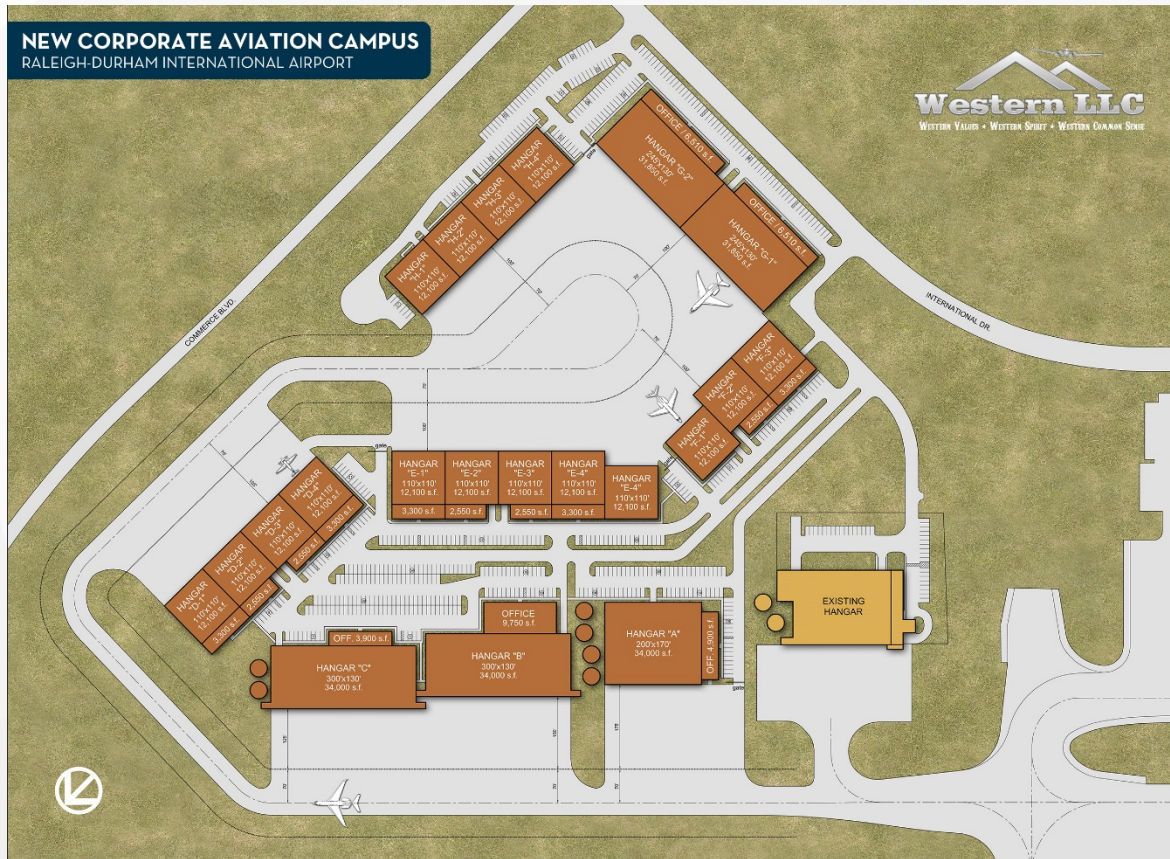
<https://www.rdu.com/do-business-with-rdu/>



## Tenant Projects: GA Campus Development



## Western LLC





# Questions?



Raleigh-Durham Airport Authority





# Raleigh-Durham Airport Authority

## Business Opportunity Workshop

Jim Novak, Director of Facilities Engineering  
September 10, 2019



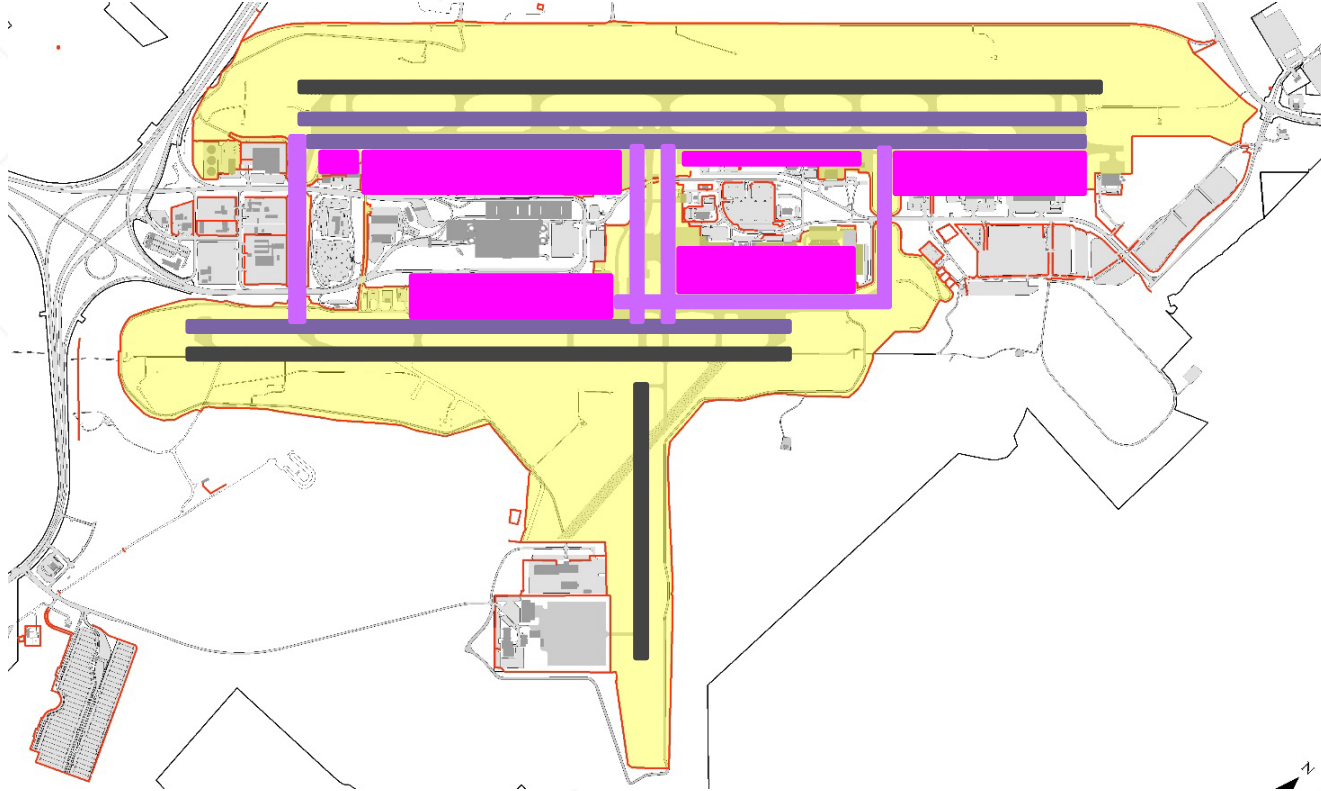
Raleigh-Durham Airport Authority

# Agenda

- Airport Layout & Terminology
- Current & Upcoming Proposed Projects
  - Airside Design & Construction
  - Landside Design & Construction
- Questions

**Airside and/or  
Landside Civil  
Engineering  
Consultants and  
Contractors**

# Airside vs. Landside Civil Projects





# Proposed Airside Civil Projects

- **Design (and Construction) Opportunities**
  - **Preservation Projects**
    - TW F
    - RW 5R Service Road
    - RW 5R-23L
  - **Rehabilitation Projects**
    - GA T-hangar Apron
    - T2 Apron
    - TW B (South TW D) & TW Connectors B1 - B5
    - TW E
  - **New Design Projects**
    - RW 5R-23L Extension
    - RW 5R-23L High Speed Exit Taxiway



# Proposed Airside Civil Projects

- Design Opportunities

- Preservation Projects

- TW F
    - RW 5R Service Road
    - RW 5R-23L

- Rehabilitation Projects

- GA T-hangar Apron
    - T2 Apron
    - TW B (South TW D) & TW Connectors B1 - B5
    - TW E

- New Design Projects

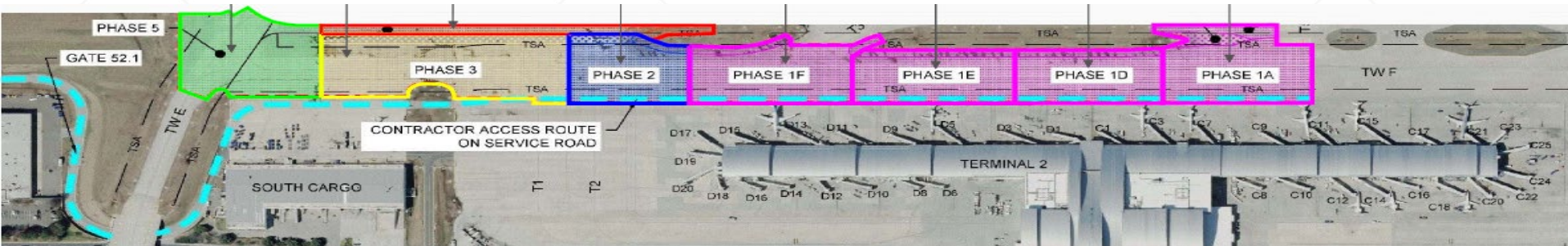
- RW 5R-23L Extension
    - RW 5R-23L High Speed Exit Taxiway



# Taxiway F Preservation



## T/W F Rehab (South) - Proposed Construction Schedule – V2



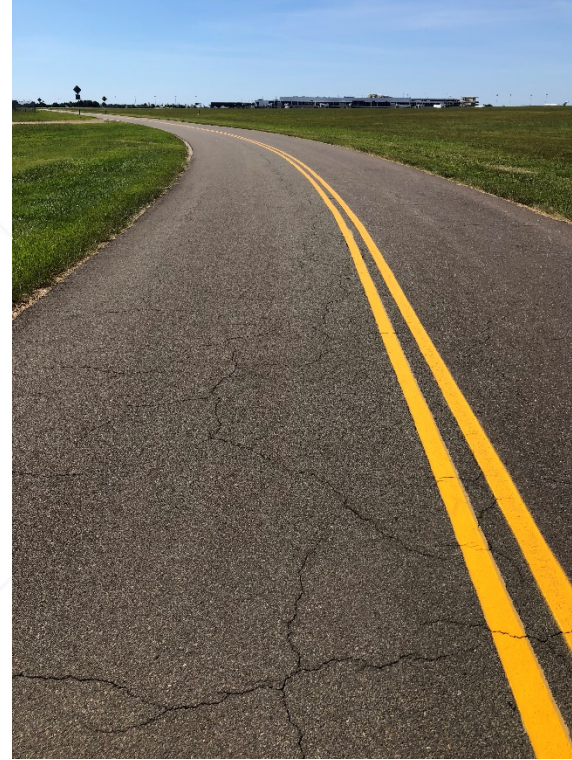


# RW 5R Service Road Preservation





# RW 5R Service Road Preservation



# RW 5R-23L Preservation



Runway 5R-23L



# Runway 5R-23L – Centerline Paving – Before & After





# Runway 5R-23L Repair – Joint Repair – Before & After



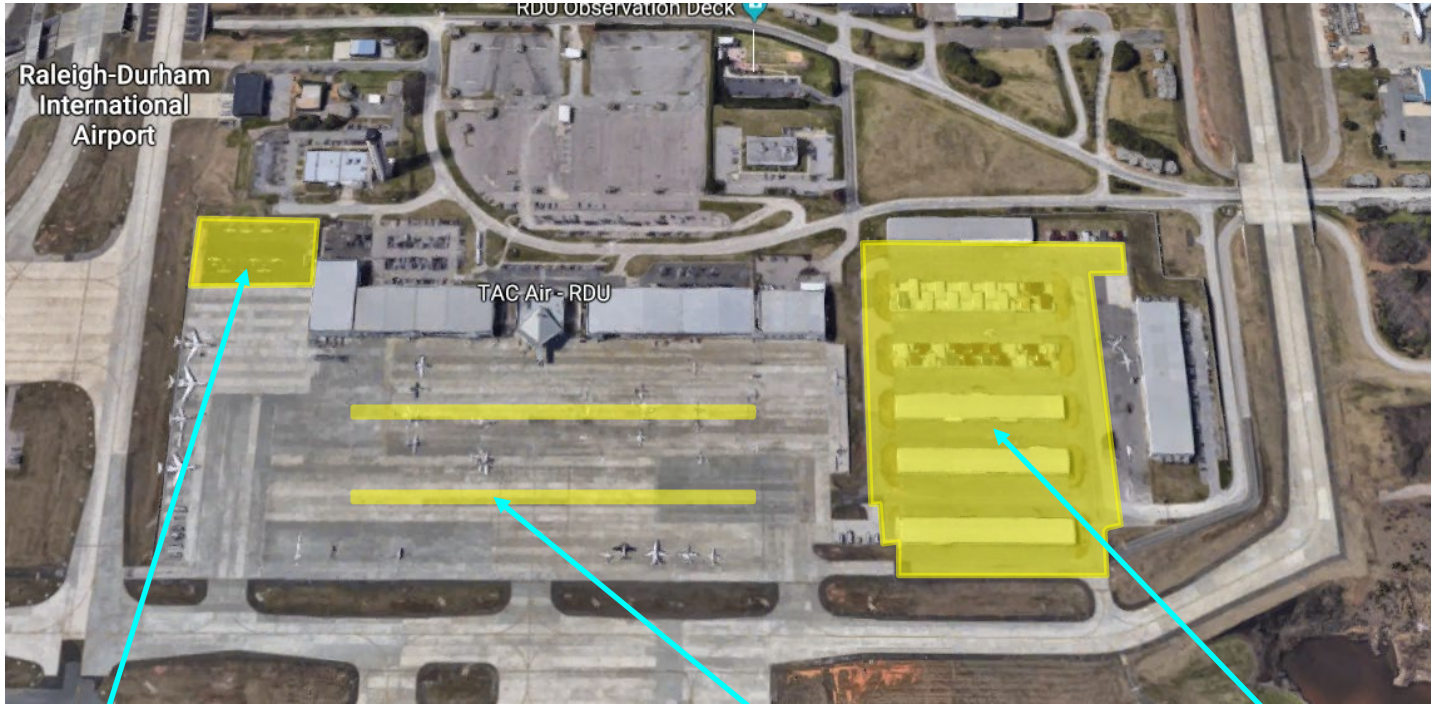




# Proposed Airside Civil Projects

- **Design Opportunities**
  - **Preservation Projects**
    - TW F
    - RW 5R Service Road
    - RW 5R-23L
  - **Rehabilitation Projects**
    - GA Area Pavement
    - T2 Apron
    - TW B (South TW D) & TW Connectors B1 - B5
    - TW E
  - **New Design Projects**
    - RW 5R-23L Extension (*CMR*)
    - RW 5R-23L High Speed Exit Taxiway (*CMR*)

# GA Area Pavement Rehabilitation



GA Tie-down Apron

Storm Water Inlets

GA T-Hangar Apron



Raleigh-Durham Airport Authority



# GA T-Hangar Pavement Rehabilitation



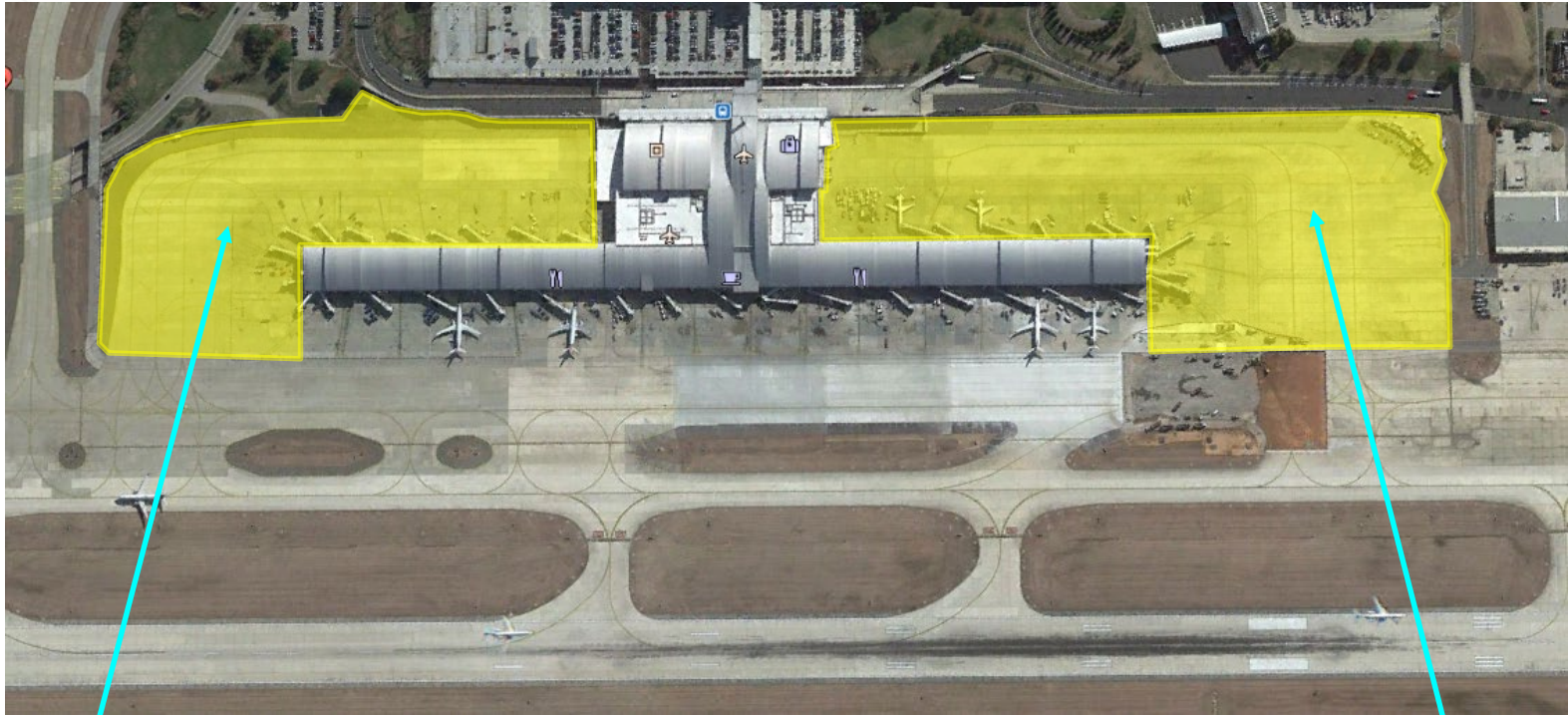


# GA Tie-Down Apron Rehabilitation & Inlets





# T2 Apron Pavement Rehabilitation



T2 Apron (North)

T2 Apron (South)

# T2 Apron Pavement Rehabilitation



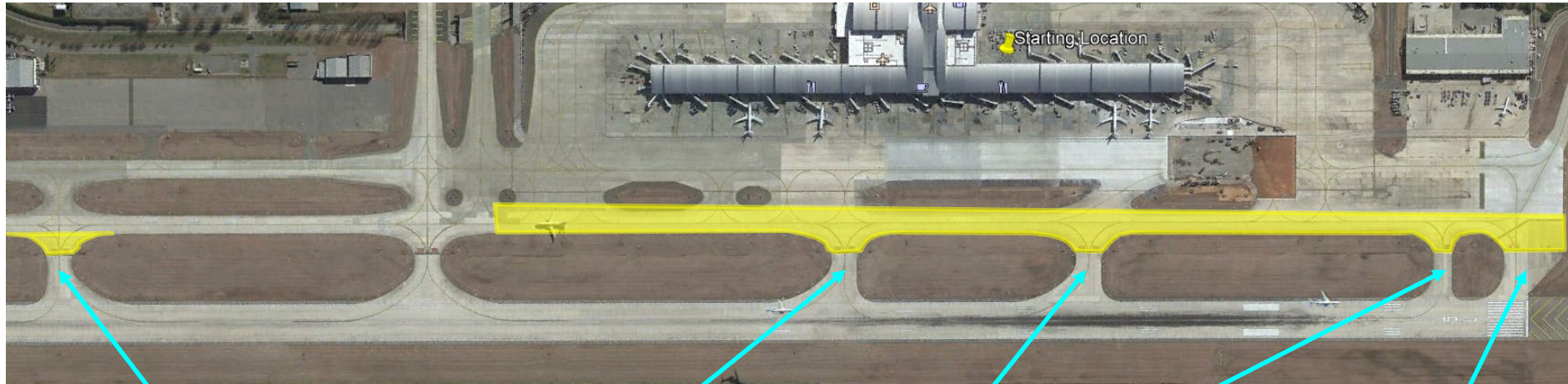
T2 Apron  
(North)



T2 Apron  
(South)



# Taxiway B (South) & B1-B5 Rehabilitation



Taxiway B5

Taxiway B4

Taxiway B3

Taxiway B2

Taxiway B1

# Taxiway B Rehabilitation





# Taxiway B1 / B2 / B3 / B4 / B5 Rehabilitation



# Taxiway E Rehabilitation

Taxiway E





# Taxiway E Rehabilitation



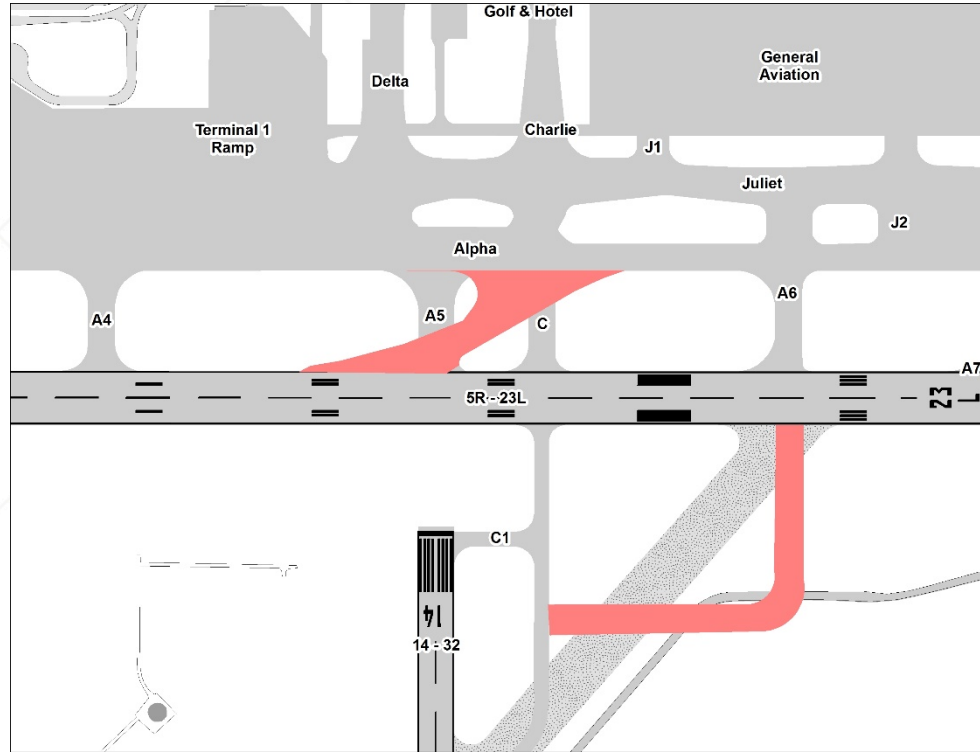


# Proposed Airside Civil Projects

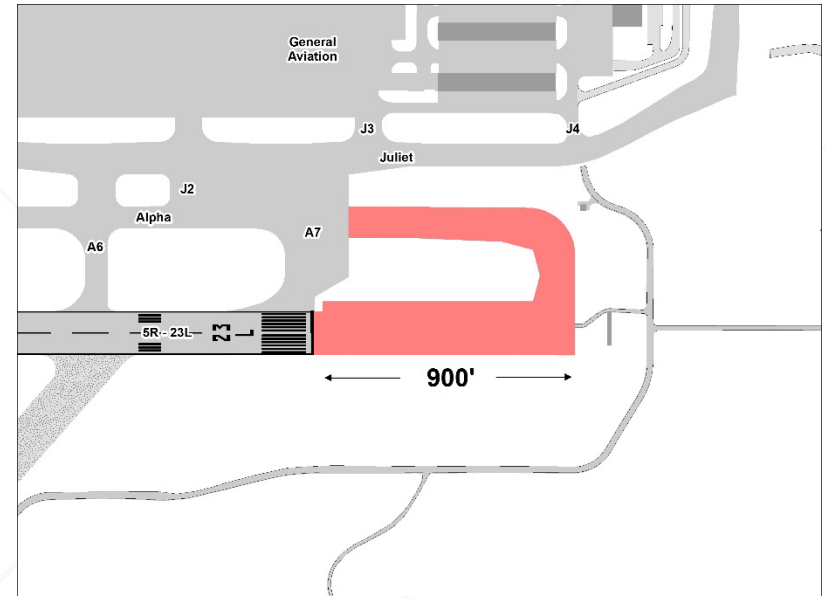
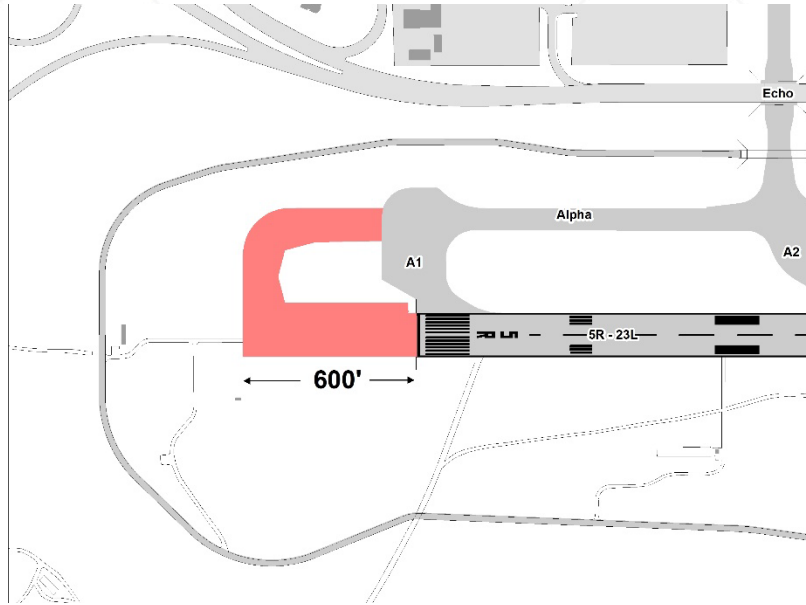
- **Design Opportunities**
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    - TW F
    - RW 5R Service Road
    - RW 5R-23L
  - **Rehabilitation Projects**
    - GA T-hangar Apron
    - T2 Apron
    - TW B (South TW D) & TW Connectors B1 - B
    - TW E
  - **New Design Projects**
    - RW 5R-23L Extension
    - RW 5R-23L High Speed Exit Taxiway & TW Y



# Runway 5R-23L High Speed Exit and TW Y



# Runway 5R-23L Extension



# Proposed Airside Civil Projects

- Construction Opportunities (already in design)
  - Preservation Projects
    - RW 5L-23R
  - Rehabilitation Projects
    - International Drive
    - TW C & D
    - N Cargo Apron Area and TW J
    - RW 5L-23R Replacement



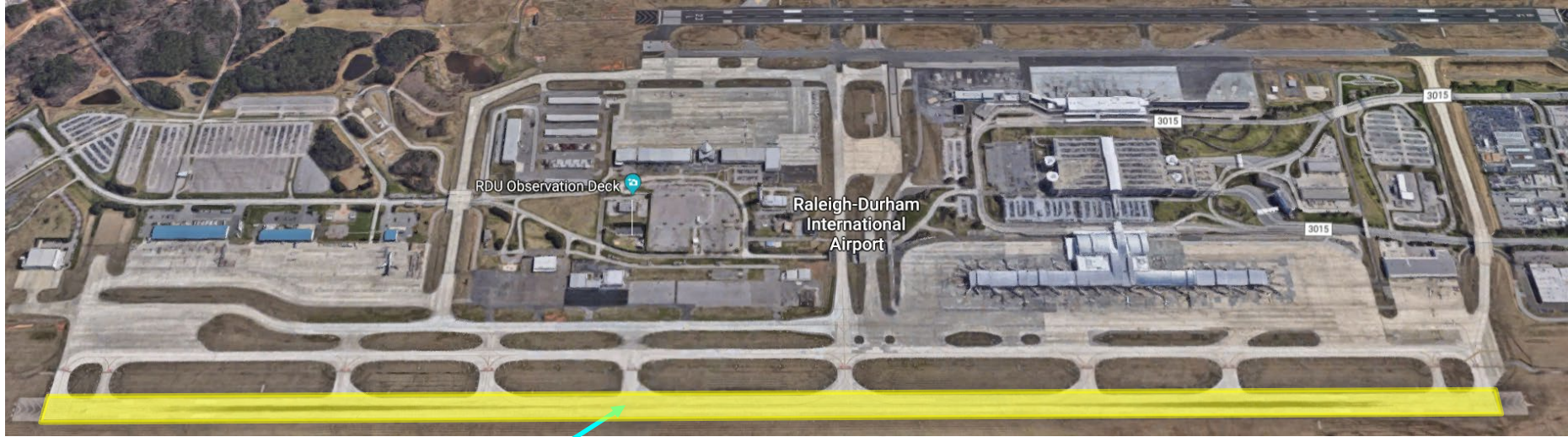


# Proposed Airside Civil Projects

- Construction Opportunities (already in design)
  - Preservation Projects
    - RW 5L-23R
  - Rehabilitation Projects
    - TW C & D
    - N Cargo Apron Area and TW J
    - RW 5L-23R Replacement

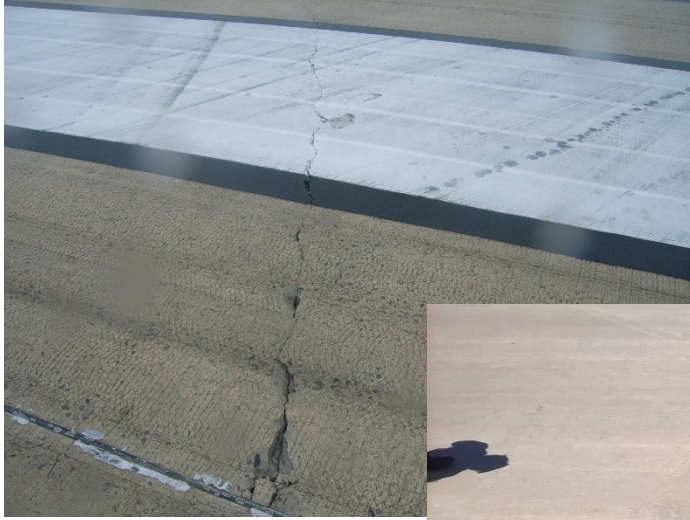


# Runway 5L-23R Pavement Preservation

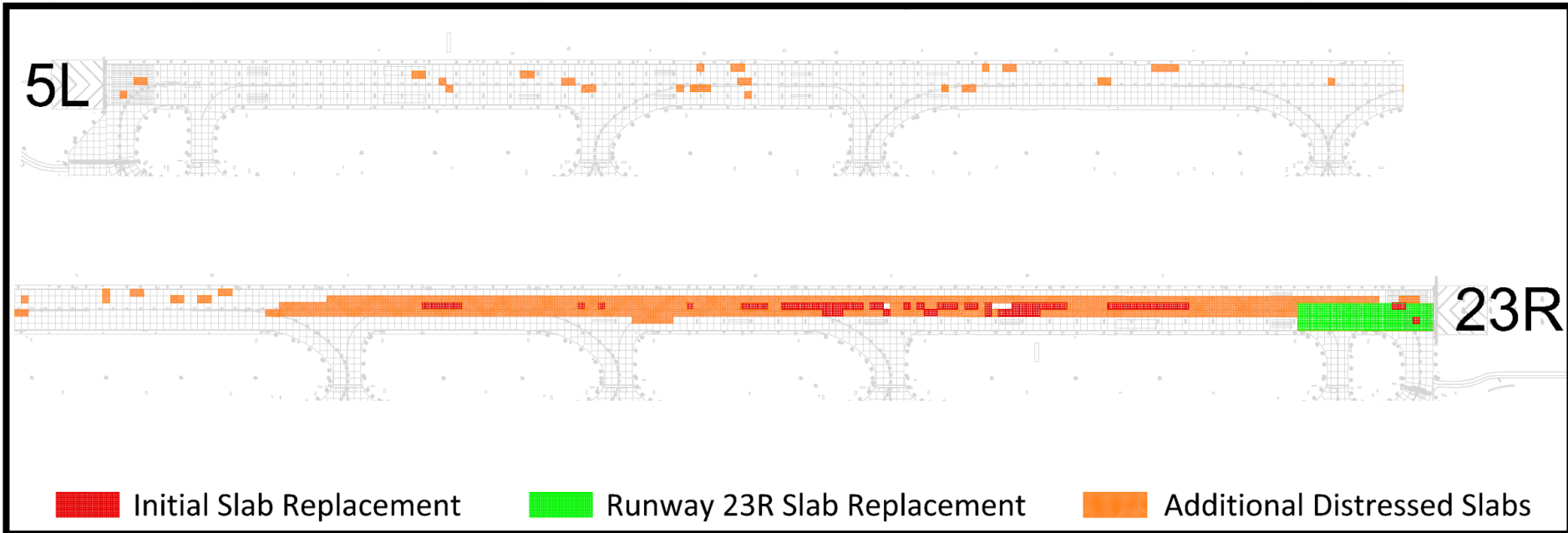


Runway 5L-23R

# Runway 5L-23R Pavement Preservation

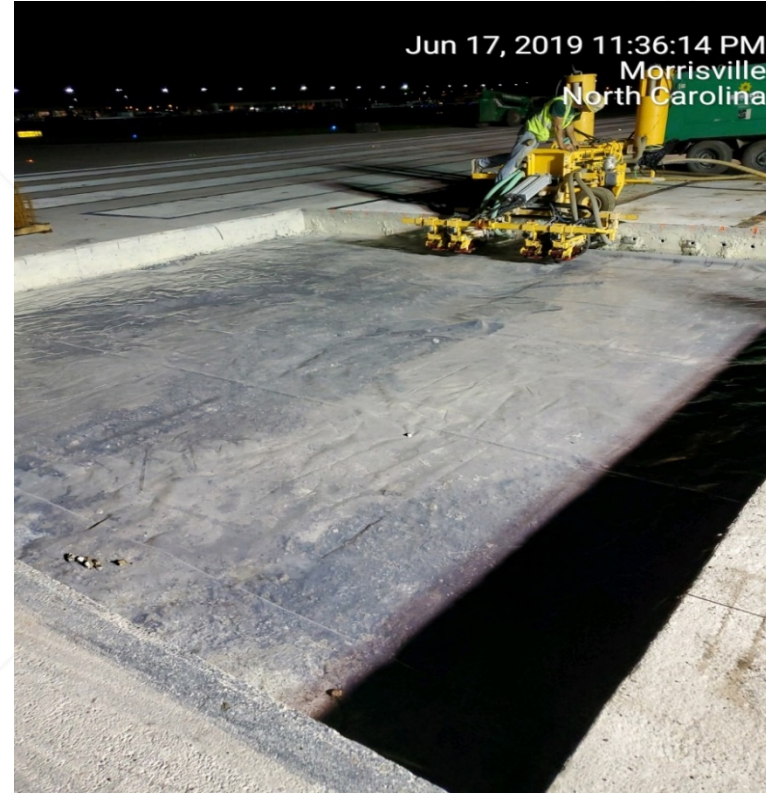


# Runway 5L-23R Pavement Preservation

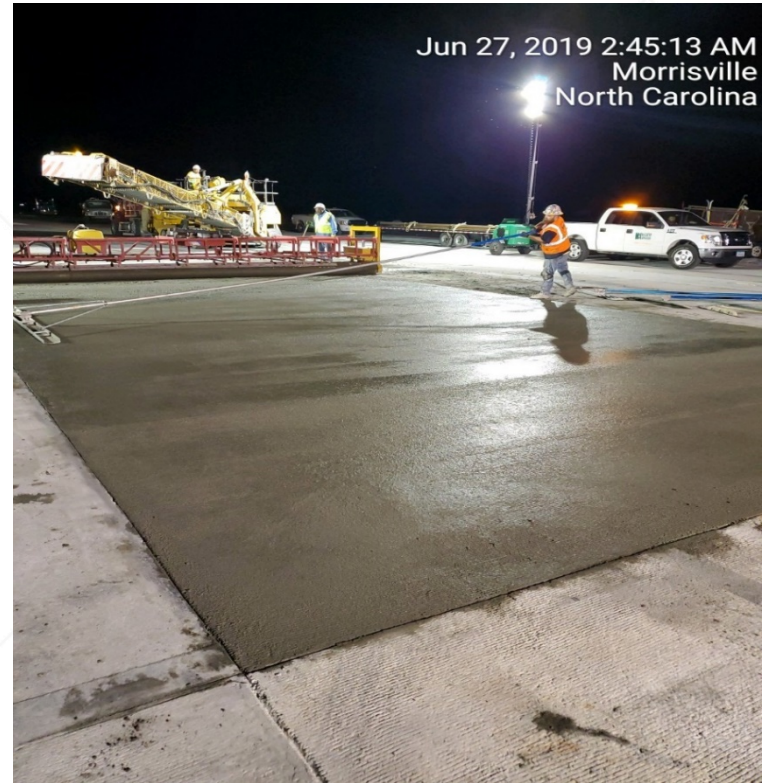




# Runway 5L-23R Pavement Preservation



# Runway 5L-23R Pavement Preservation



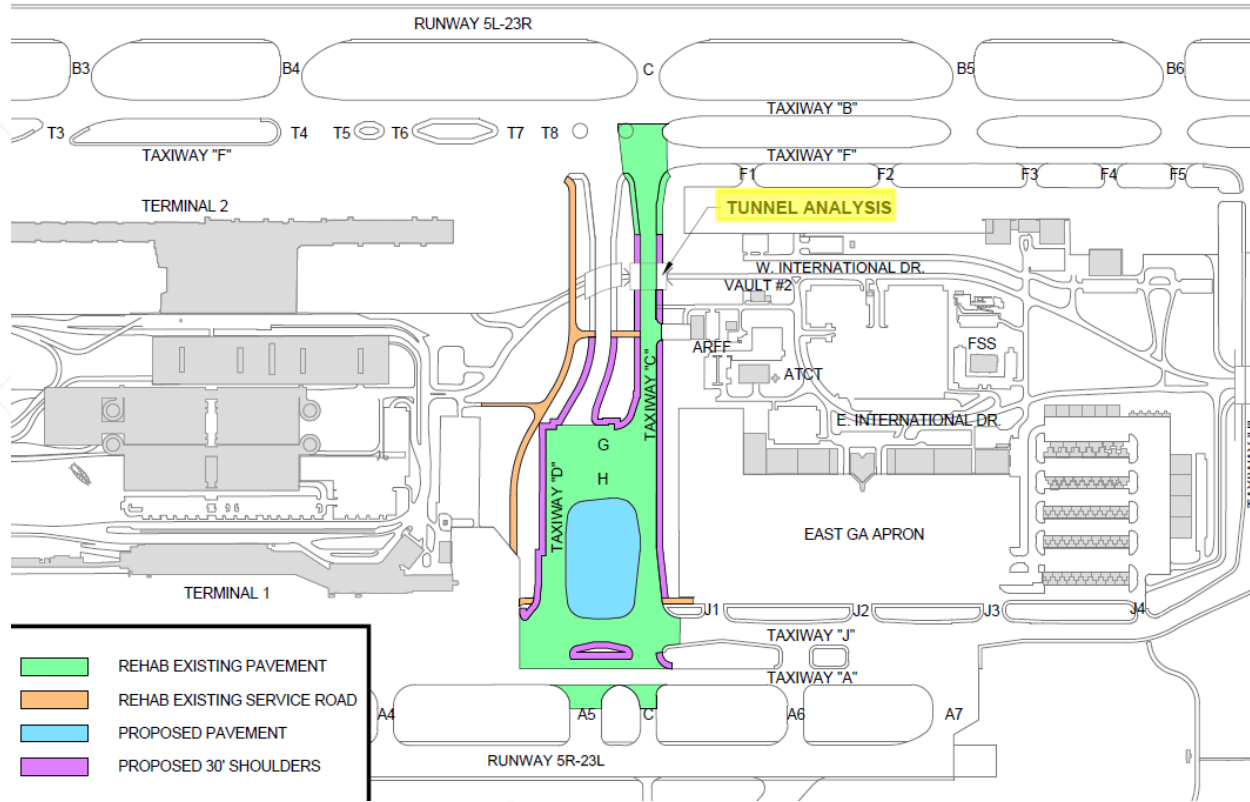
# Proposed Airside Civil Projects

- **Construction Opportunities (already in design)**
  - **Preservation Projects**
    - RW 5L-23R
  - **Rehabilitation Projects**
    - TW C & D
    - N Cargo Apron Area and TW J
    - RW 5L-23R Replacement





# Taxiway C & D Rehabilitation





# Taxiway C Rehabilitation





# Taxiway D Rehabilitation





# North Cargo Apron Area and TW J Rehab



N Cargo  
Apron

TW J



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# North Cargo Taxilane Rehabilitation



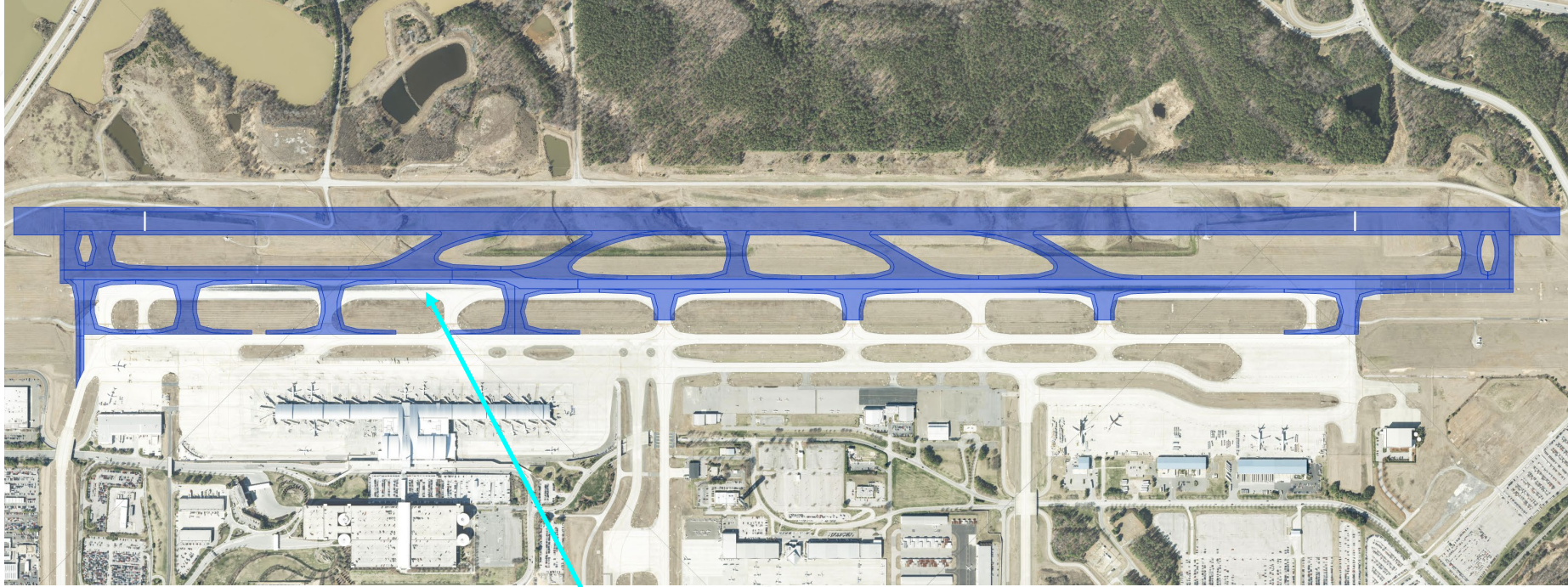


# Taxiway J Rehabilitation





# R/W 5L-23R Replacement / RW to T/W Conversion



Existing RW 5L-23R converted to a Taxiway



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# Proposed Landside Civil Projects

- **Design (and Construction) Opportunities**
  - **Preservation Projects**
    - RDU & Departure Dr.
    - Park Economy 3
  - **Rehabilitation Projects**
    - Rental Car Rd. / Cedar Fork Rd. / Trade Dr.
    - Park Economy 1 & Cargo Dr.
    - Park Express / Business St. / Park Economy 4 / Employee Lot
    - Commerce Dr.
    - National Guard Dr.
    - Maintenance Building Parking Lot
  - **New Design Projects**
    - CONRAC & JBB Reconfiguration
    - Rental Car Storage Lot Expansion
    - Aviation Parkway / National Guard Drive Intersection Improvements





# Proposed Landside Civil Projects

- **Design (and Construction) Opportunities**

- **Preservation Projects**

- RDU & Departure Dr.
    - Park Economy 3

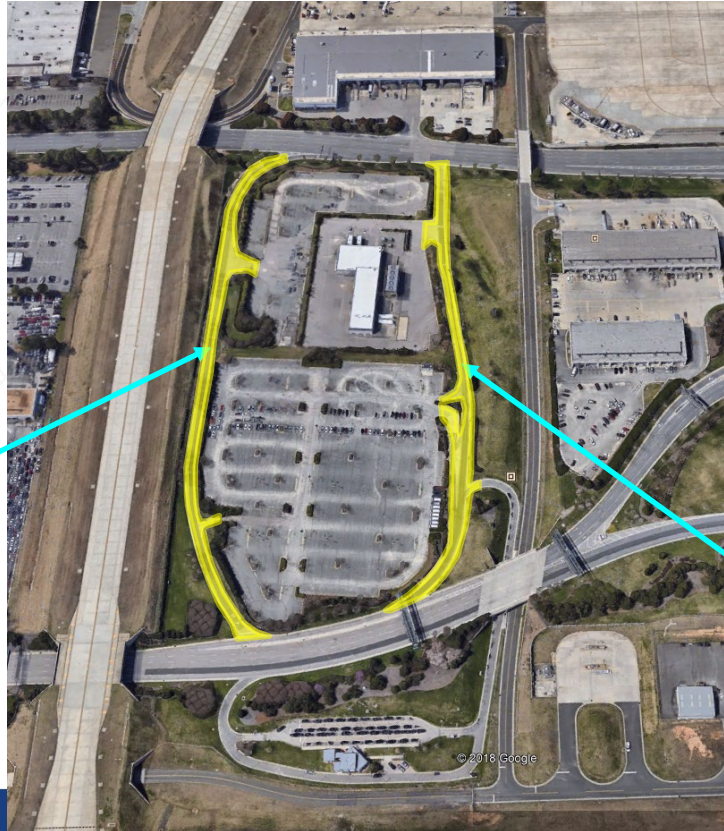
- **Rehabilitation Projects**

- Rental Car Rd. / Cedar Fork Rd. / Trade Dr.
    - Park Economy 1 & Cargo Dr.
    - Park Express / Business St. / Park Economy 4 / Employee Lot
    - Commerce Dr.
    - National Guard Dr.
    - Maintenance Building Parking Lot

- **New Design Projects**

- CONRAC & JBB Reconfiguration
    - Rental Car Storage Lot Expansion
    - Aviation Parkway / National Guard Drive Intersection Improvements

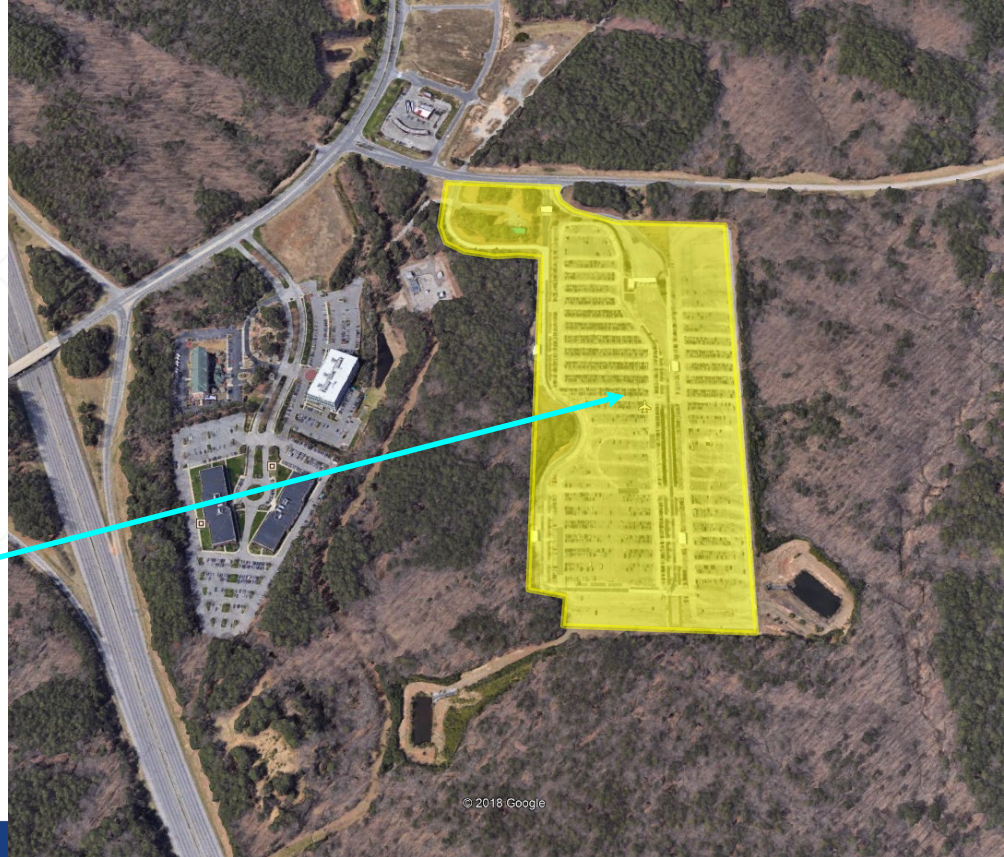
# RDU & Departure Drive Preservation



RDU Drive

Departure Drive

# PE 3 Preservation



PE 3 Lot



# PE 3 Preservation





# Proposed Landside Civil Projects

- **Design (and Construction) Opportunities**

- **Preservation Projects**

- RDU & Departure Dr.
- Park Economy 3

- **Rehabilitation Projects**

- Rental Car Rd. / Cedar Fork Rd. / Trade Dr.
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- **New Design Projects**

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- Rental Car Storage Lot Expansion
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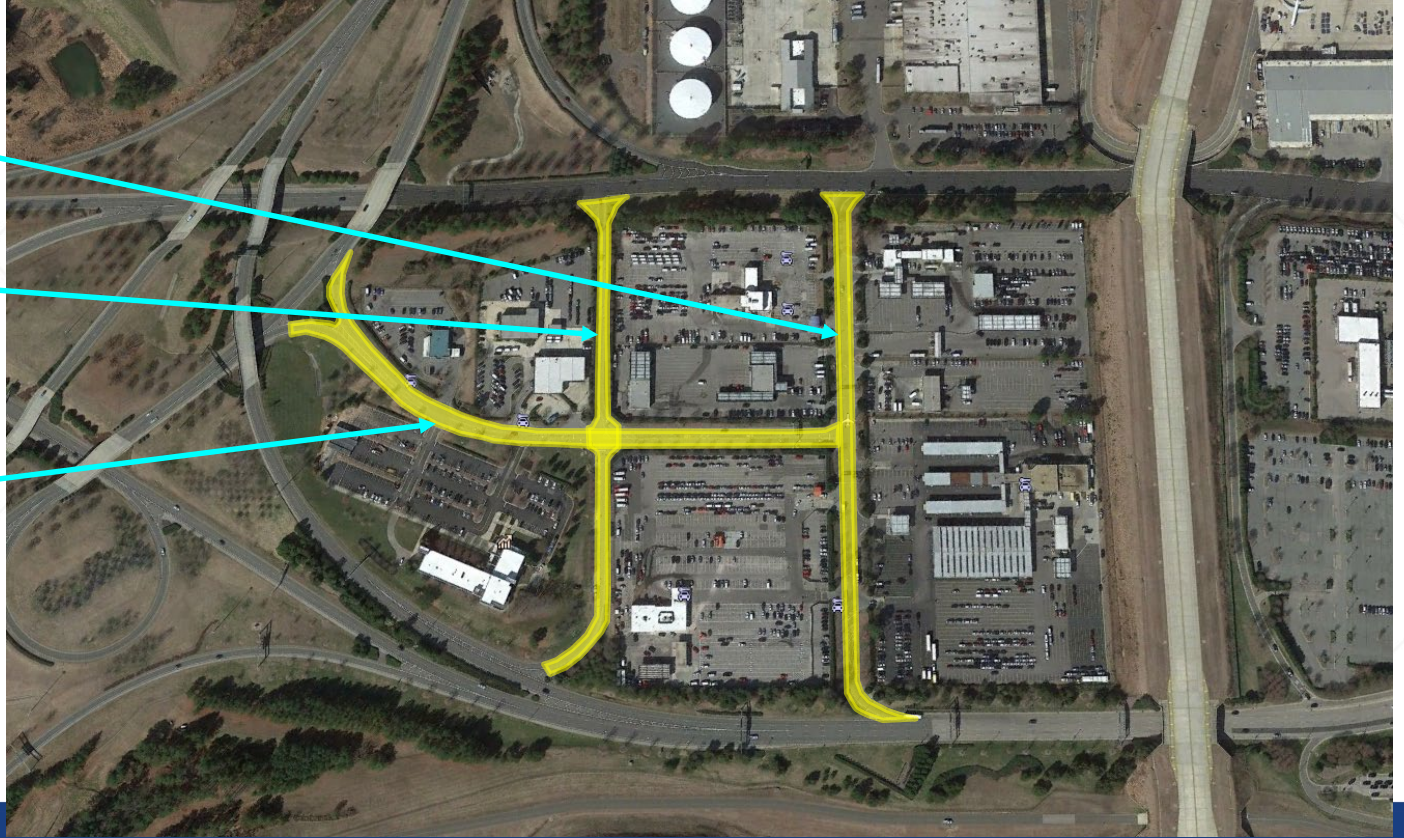


# Rental Car Rd. / Cedar Fork Rd. / Trade Dr. Rehabilitation

Rental Car Rd.

Cedar Fork Rd.

Trade Dr.





# Park Economy 1 & Cargo Dr. Rehabilitation



Cargo Dr.

PE 1

# Park Express / Business St. / Park Economy 4 / Employee Lot Rehabilitation



Park Express Lot

Business St.

PE 4 Lot

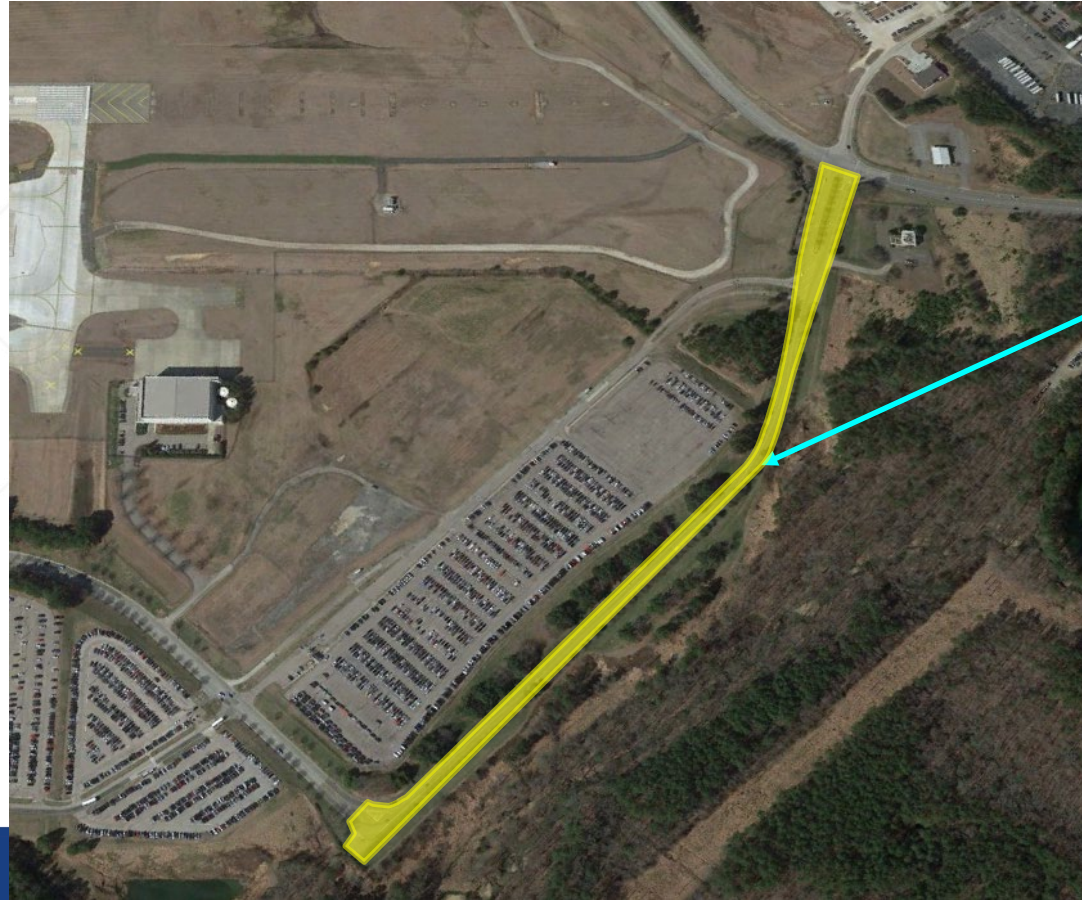
Employee Lot



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# Commerce Dr. Rehabilitation



Commerce Dr.



# National Guard Drive Rehabilitation



National Guard Dr.



# National Guard Drive



# Maintenance Building Parking Lot Rehab





# Maintenance Building Parking Lot Rehab





# Proposed Landside Civil Projects

- **Design (and Construction) Opportunities**

- **Preservation Projects**

- RDU & Departure Dr.
    - Park Economy 3

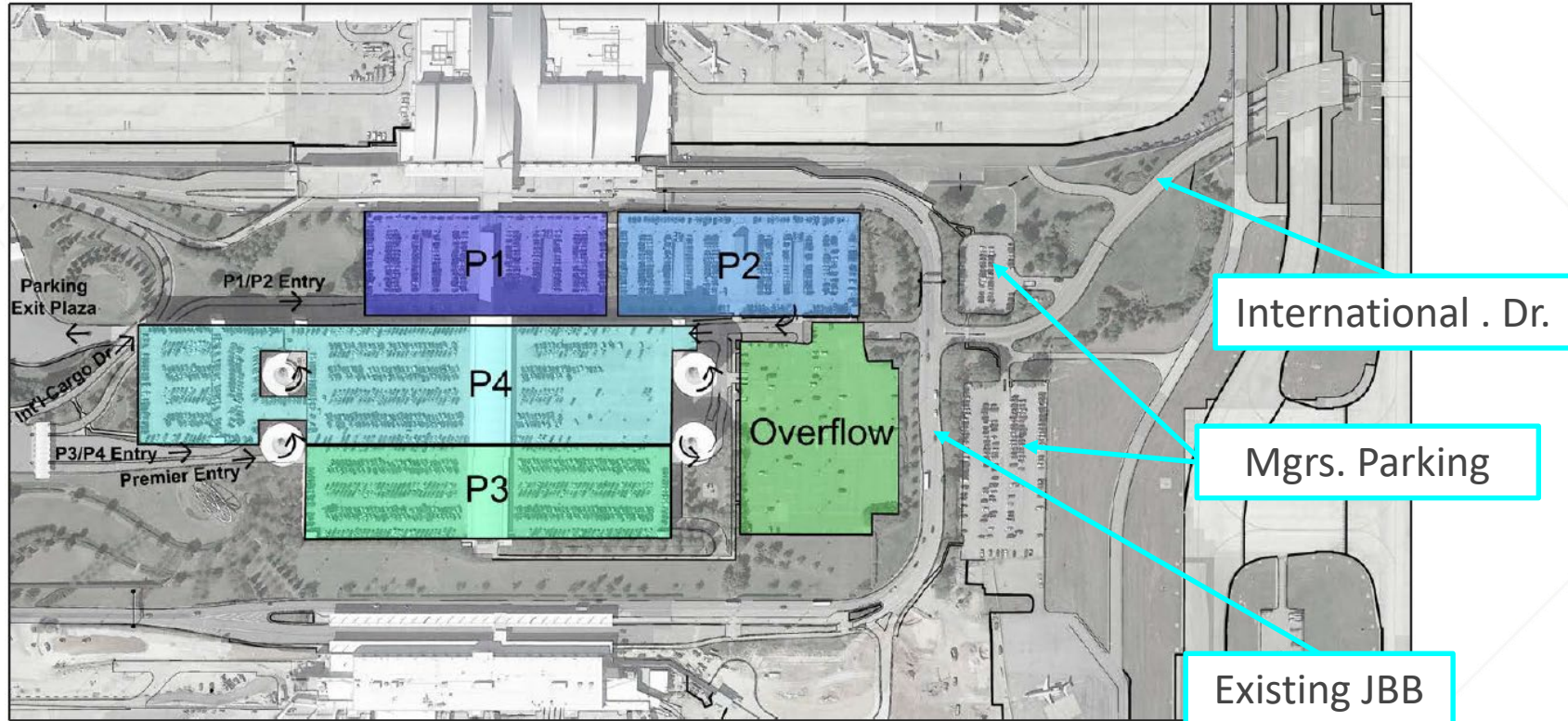
- **Rehabilitation Projects**

- Rental Car Rd. / Cedar Fork Rd. / Trade Dr.
    - Park Economy 1 & Cargo Dr.
    - Park Express / Business St. / Park Economy 4 / Employee Lot
    - Commerce Dr.
    - National Guard Dr.
    - Maintenance Building Parking Lot

- **New Design Projects**

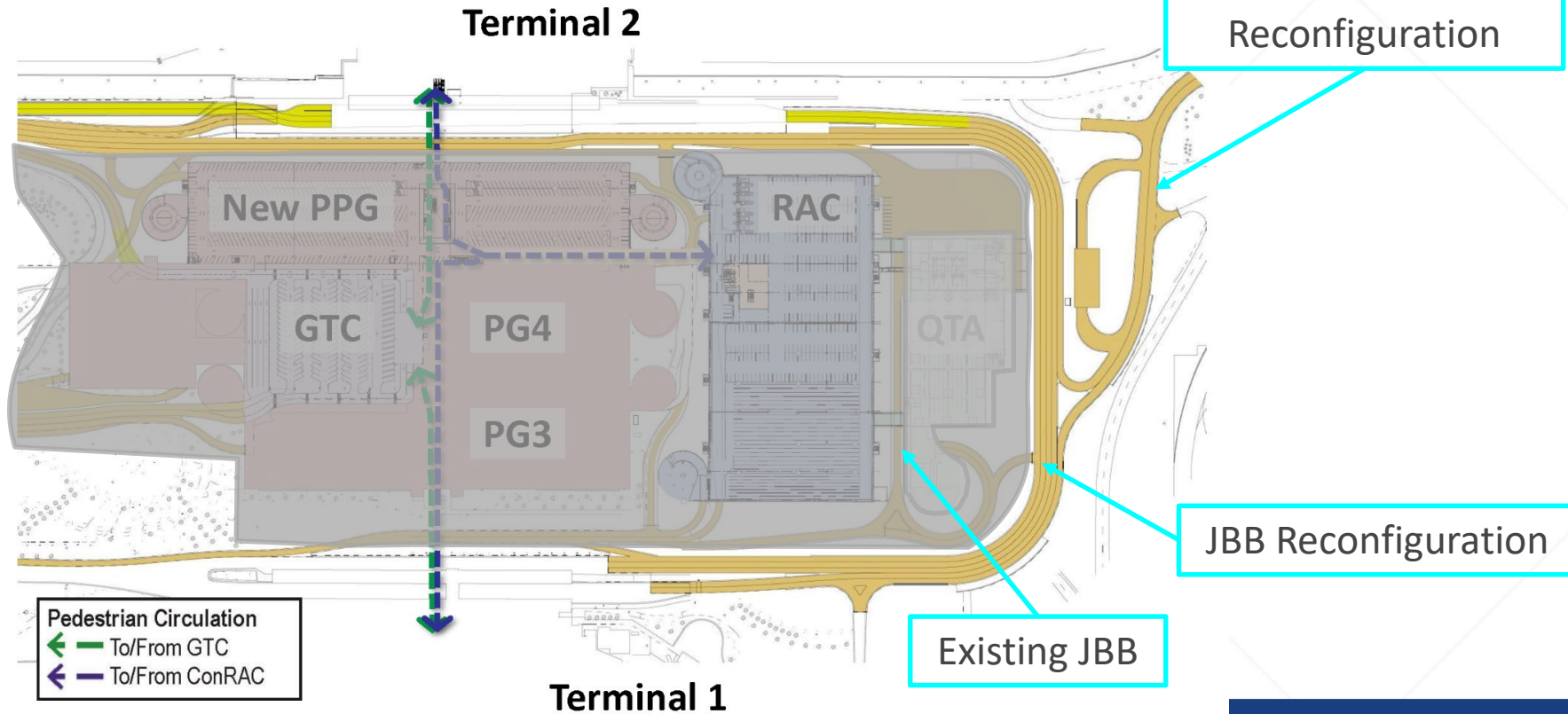
- CONRAC & JBB Reconfiguration
    - Rental Car Storage Lot Expansion
    - Aviation Parkway / National Guard Drive Intersection Improvements

# Existing Parking Garage Configuration





# CONRAC & JBB Reconfiguration



# CONRAC & JBB Reconfiguration (Rendering)

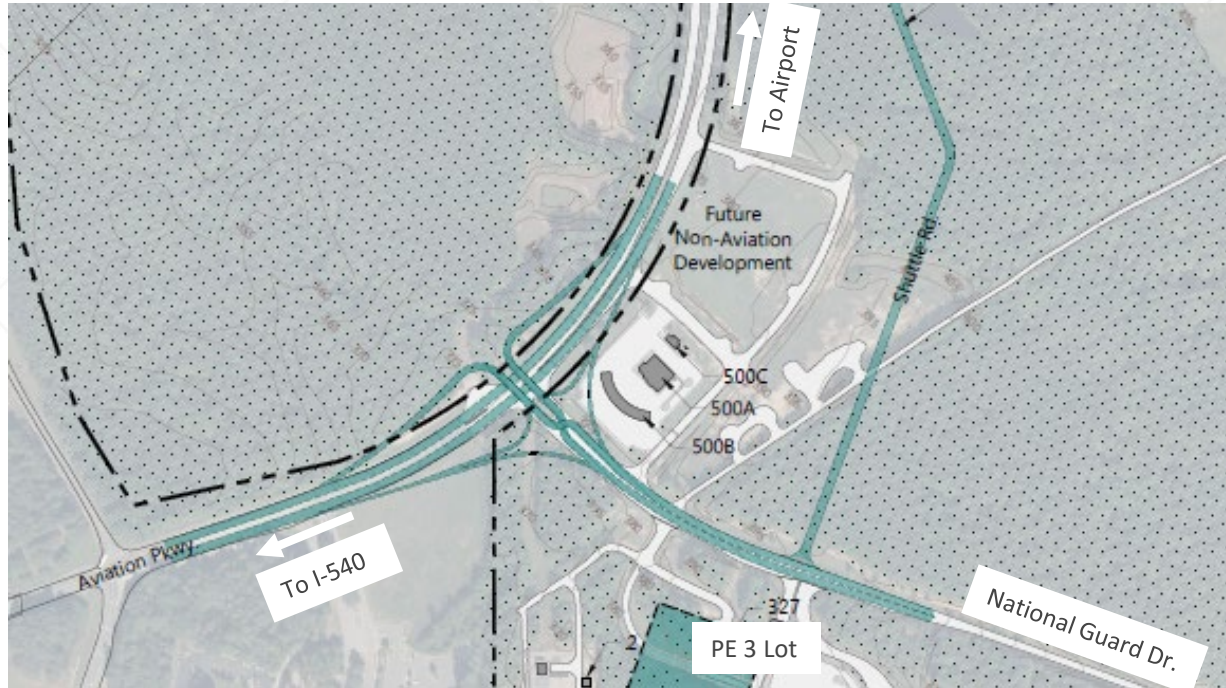


# Rental Car Storage Lot Expansion





# Aviation Parkway / National Guard Drive Intersection Improvements



# Proposed Landside Civil Projects

- **Construction Opportunities (already in design)**
  - **Rehabilitation Projects**
    - International Drive
  - **New Construction Projects**
    - Park Economy 3 Expansion
    - Lumley Rd. Relocation



# Proposed Landside Civil Projects

- Construction Opportunities (already in design)
  - Rehabilitation Projects
    - International Drive
  - New Construction Projects
    - Park Economy 3 Expansion
    - Lumley Rd. Relocation





# International Drive



West and East International Drive

International Drive



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# International Drive



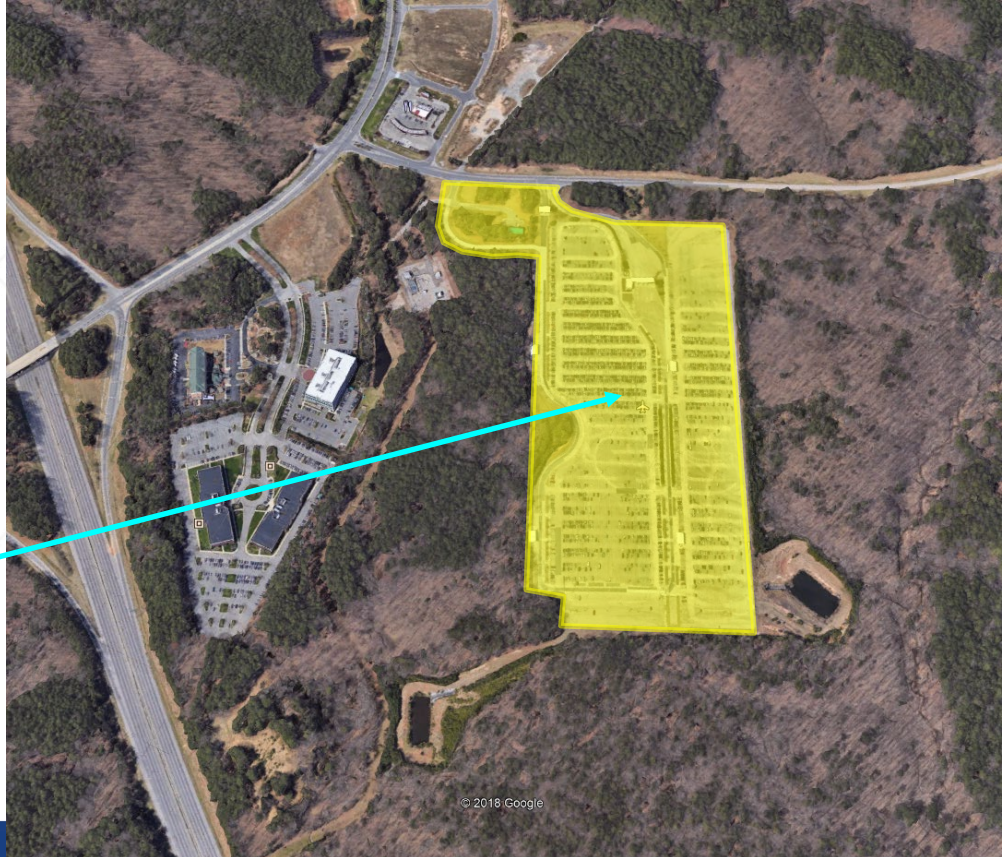
# Proposed Landside Civil Projects

- **Construction Opportunities (already in design)**
  - **Rehabilitation Projects**
    - International Drive
  - **New Construction Projects**
    - Park Economy 3 Expansion
    - Lumley Rd. Relocation





# PE 3 Expansion



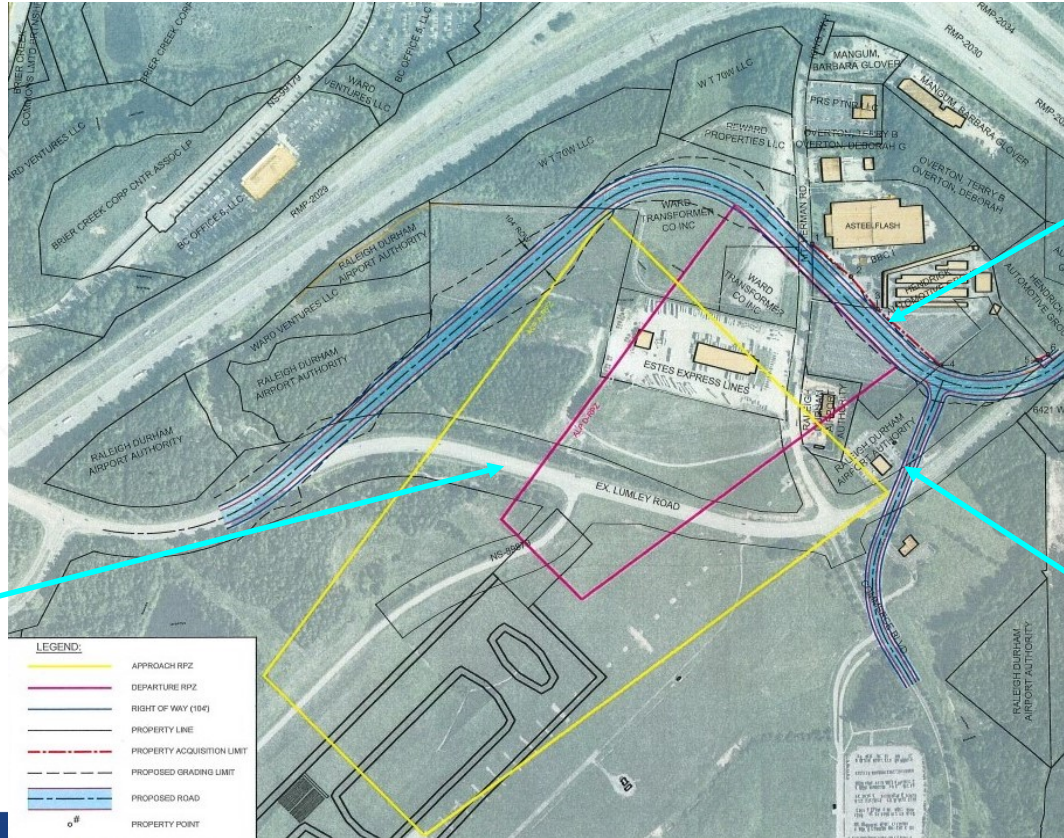
PE 3 Lot

- ~4,360 additional spaces
- ~8,180 spaces total
- ~35 additional acres
- 2 new bus stops
- Relocated entry plaza





# Lumley Road Relocation



Existing  
Lumley  
Rd.

Relocated  
Lumley  
Rd.

Relocated  
Commerce  
Blvd.



# Miscellaneous Projects

- Miscellaneous Airside and Landside Repairs and Pavement Marking
- Bridge and Tunnel Inspection and Repairs
- Miscellaneous Traffic Structures Inspection, Repairs, Painting
- Aircraft Fueling System Improvement and Repairs
- Underground Piping Cathodic Protection Assessment and Improvements
- Ductbanks and Cables Installation and Repair



# Questions?



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## Business Opportunity Workshop

Ellis Cayton

Director of Planning & Environmental

September 10, 2019



Raleigh-Durham Airport Authority



# Environmental Consulting and Other Services

- Environmental Compliance Assistance Services
- National Environmental Policy Act (NEPA) Documentation Services
- Aircraft Noise Monitoring and Abatement Services



# Environmental Compliance Assistance

- Programs Requiring Inspections
  - Fats, Oils and Grease Program
  - AST/UST and SARA Title III
  - Airport National Pollutant Discharge Elimination System (NPDES) Permit

# Environmental Compliance Assistance

- Inspections - continued
  - Stormwater Pollution Prevention Plan (SWPPP)
  - Spill Prevention Control and Countermeasure (SPCC) Plan
  - Facility Response Plan (FRP)



# Environmental Compliance Assistance

- Programs Requiring Sampling and Documentation
  - Potable Water Distribution System
  - NPDES Stormwater Permit
    - Stormwater sampling
    - Stormwater visual inspections
  - Groundwater Remediation System

# Environmental Compliance Assistance

- Plans Potentially Requiring Updates/Potential New Permit Or Permit Renewal Applications
  - Water Distribution Sampling Plan Development/Review
  - NPDES Stormwater Permit renewal
  - Air Quality Permit emissions calculations and renewal
  - SPCC Plan and FRP updates
  - Fats, Oils, and Grease Plan

# Environmental Compliance Assistance

- Plans and Permits – continued
  - Water Distribution Sampling Plan Development/Review
  - NPDES Stormwater Permit
  - Wastewater Collection System Permit
- Groundwater remediation system
  - Operating and monitoring system, preparing quarterly reports
  - Monitoring groundwater wells, preparing semiannual reports



# Other Environmental Services

- Sampling, monitoring contractor excavation, and providing remediation guidance for impacted soils encountered during construction activities

# Other Environmental Services

- Conducting studies identified in Authority's on-going Sustainability Management Plan
  - e.g., such as solid waste recycling studies, energy efficiency studies, etc.

# NEPA Documentation Assistance

- For projects not included in the FAA's Runway 5L-23R Environmental Impact Statement (EIS) but requiring an Environmental Assessment



# NEPA Documentation Assistance - continued

- FAA has not finalized the EIS projects
- Potential Projects include Taxiway D and E Rehabilitations and new ARFF/AOC Facility

# NEPA Related Services

- Delineating streams/wetlands and local ecological/natural resources & identifying/permitting environmental impacts for projects not part of Runway EIS

# Aircraft Noise Monitoring and Abatement Assistance

- Analyzing effects of FAA's upcoming Required Navigation Performance procedures
- Analyzing effects of potential federal noise laws and regulations
- Preparing materials for public consumption





# Questions?



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# Raleigh-Durham Airport Authority

Business Opportunity Workshop

William C. Sandifer, Senior Vice President & COO  
September 10, 2019



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# Topics

- Final Questions
- Afternoon Schedule
- Lunch on your own







# Thank You!



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