### A clear path forward.







## GRR Fast Facts

- 2<sup>nd</sup> Largest Airport in Michigan
- 3.59 Million Passengers in 2019
- 1.76 Million Passenger in 2020
- ???? Acres of Land

- \$3.2B of Economic Impact to West.
   Michigan
- Over 100 Businesses Supporting
   2,000+ Direct Jobs



## GRR Fast Facts

- 2<sup>nd</sup> Largest Airport in Michigan
- 3.59 Million Passengers in 2019
- 1.76 Million Passenger in 2020
- 3,200 Acres of Land

- \$3.2B of Economic Impact to West Michigan
- Over 100 Businesses Supporting 2,000+ Direct Jobs

# Economic Impact

>\$3.2B in Economic Impact

Supports & Contributes to 40,500 West Michigan Jobs

>\$450M Direct Spend by Visitors Traveling Through GRR

Accelerating
Economic
Growth

Air Service Connectivity Up to 2 times
Growth
Multiplier

Drives Airline
Interest for
More Routes

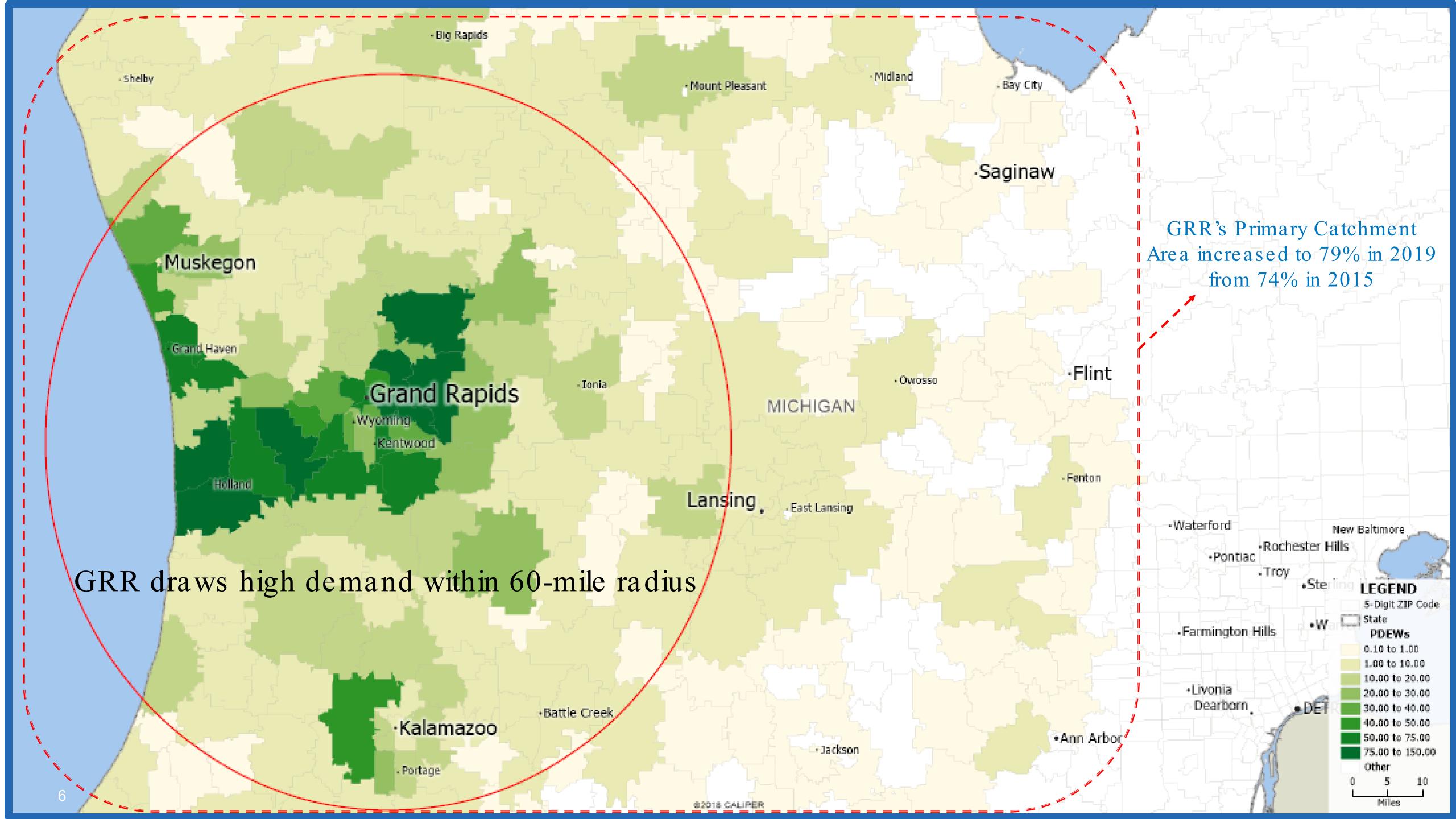


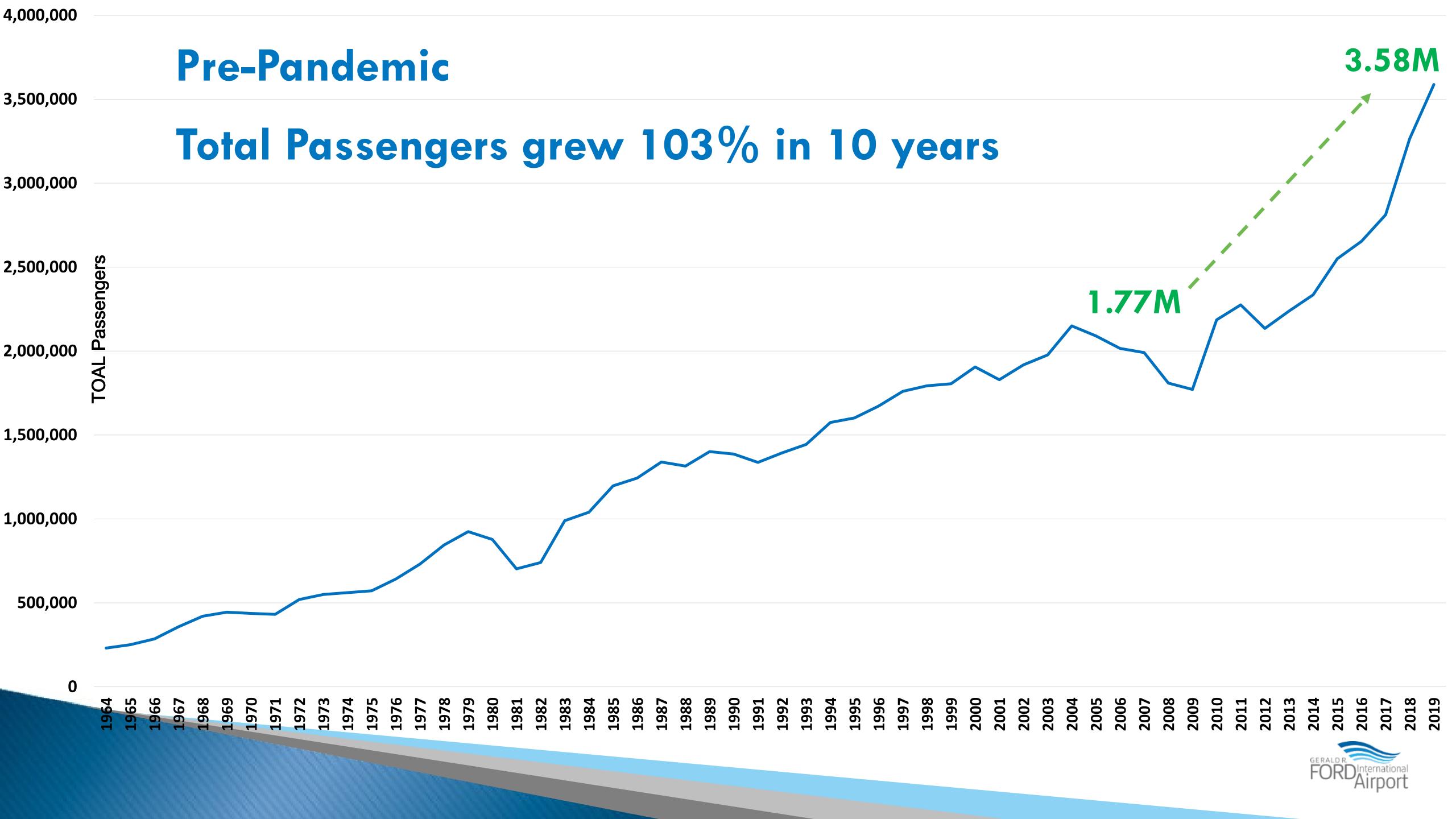
Generate
Revenues &
Grows
Demand for
Air Travel

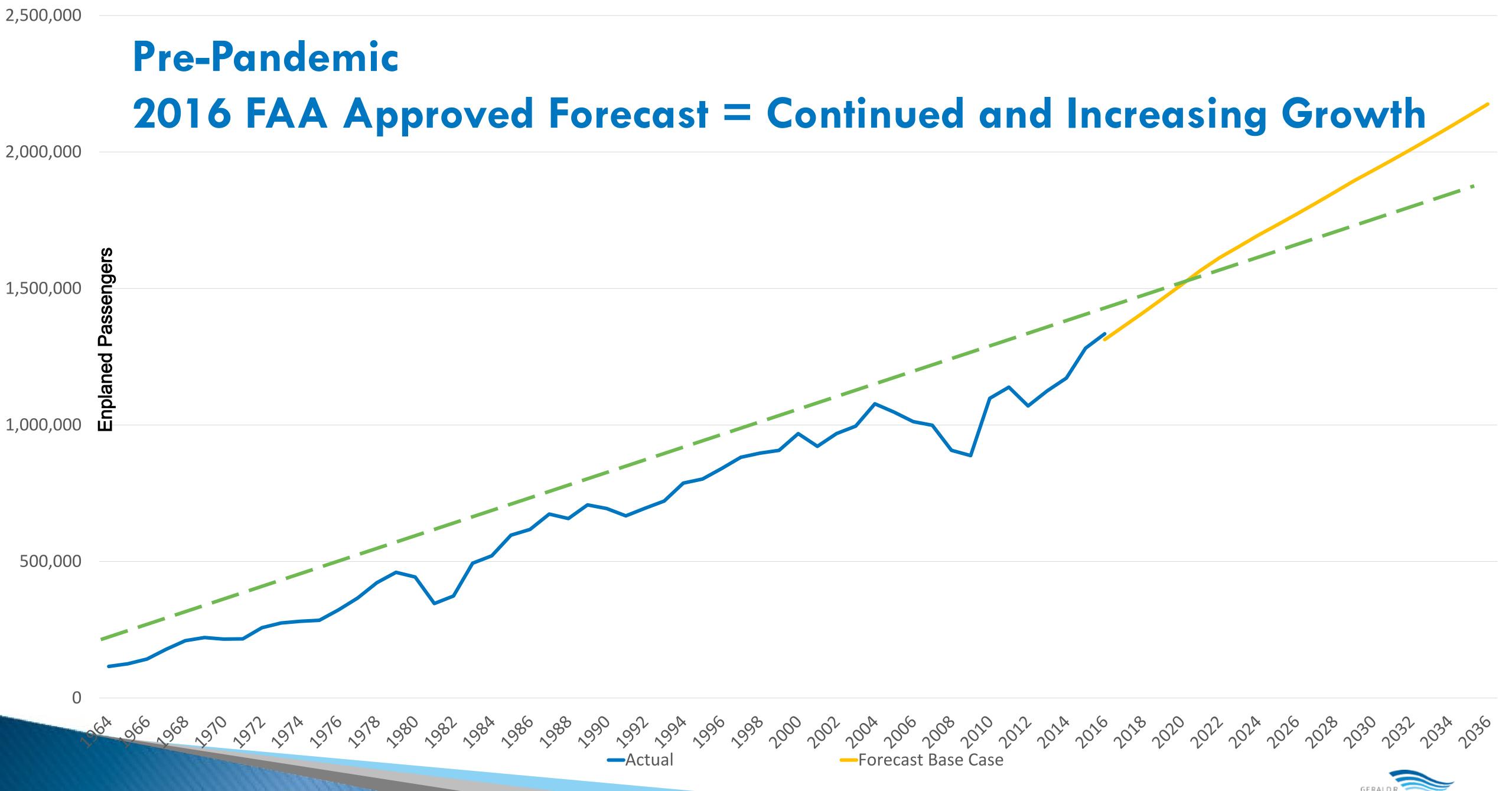
Passenger & Cargo Growth

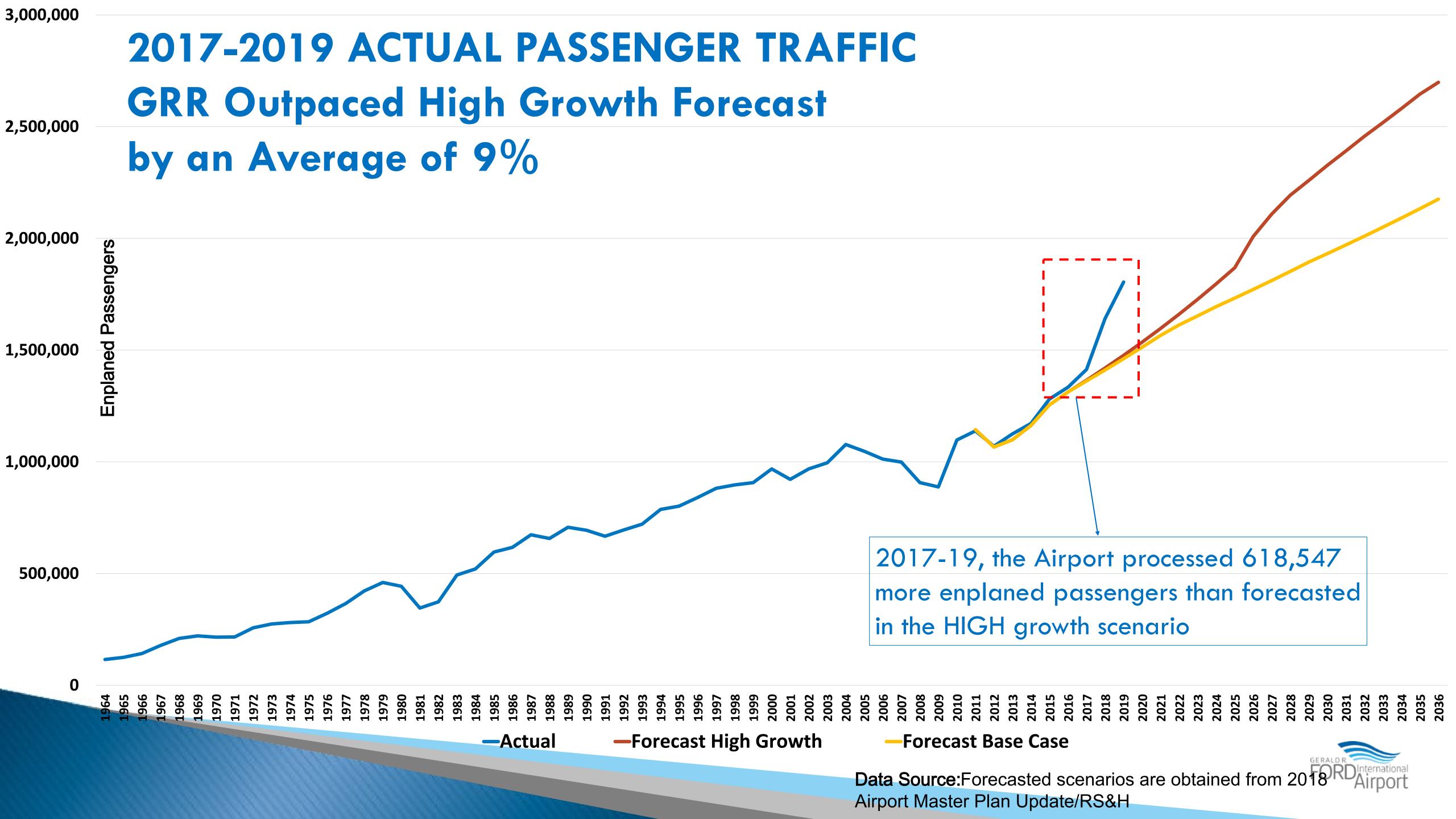
Drives
Regional
Economic
Activity &
Airport Growth

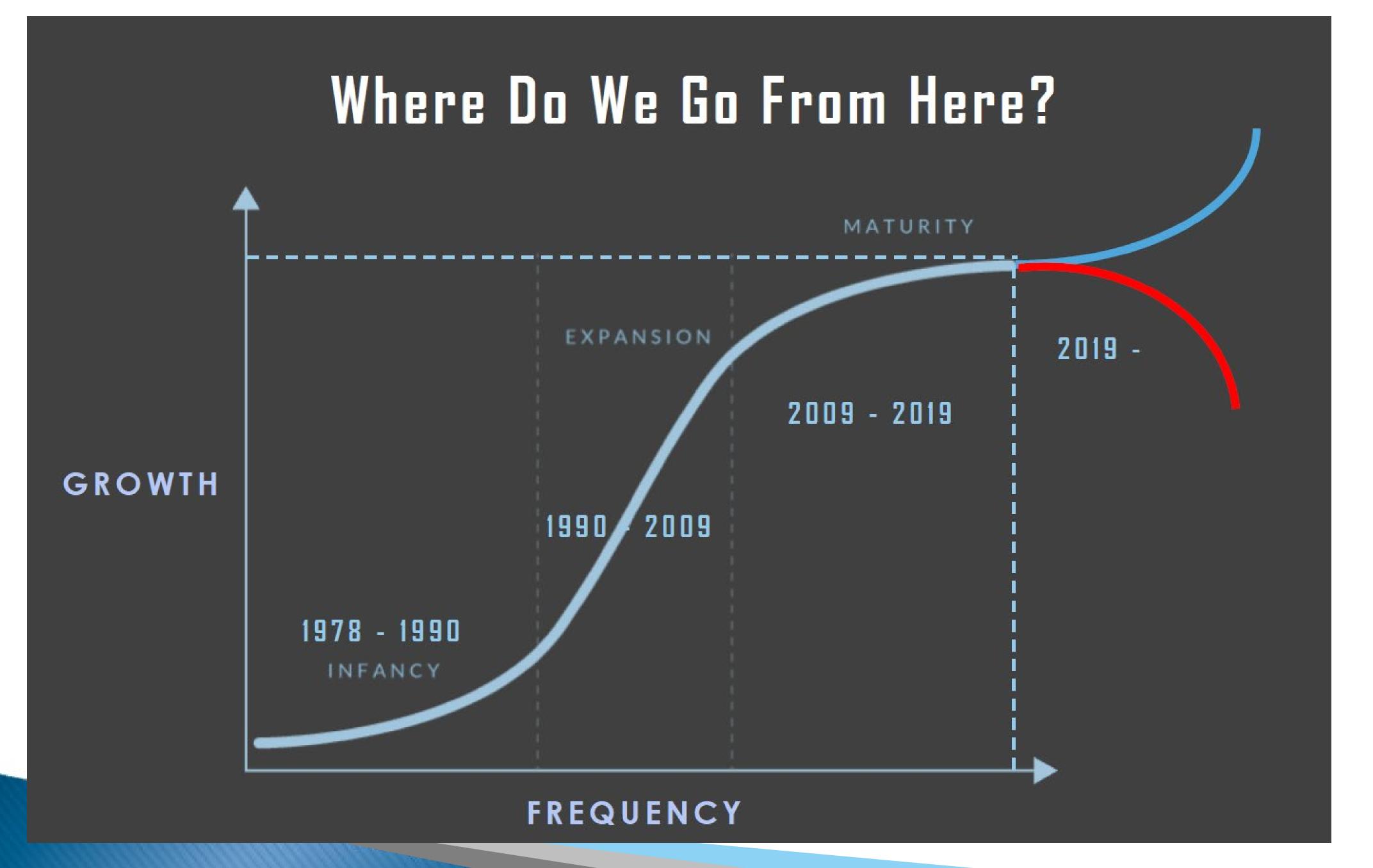
GDP & Income Growth





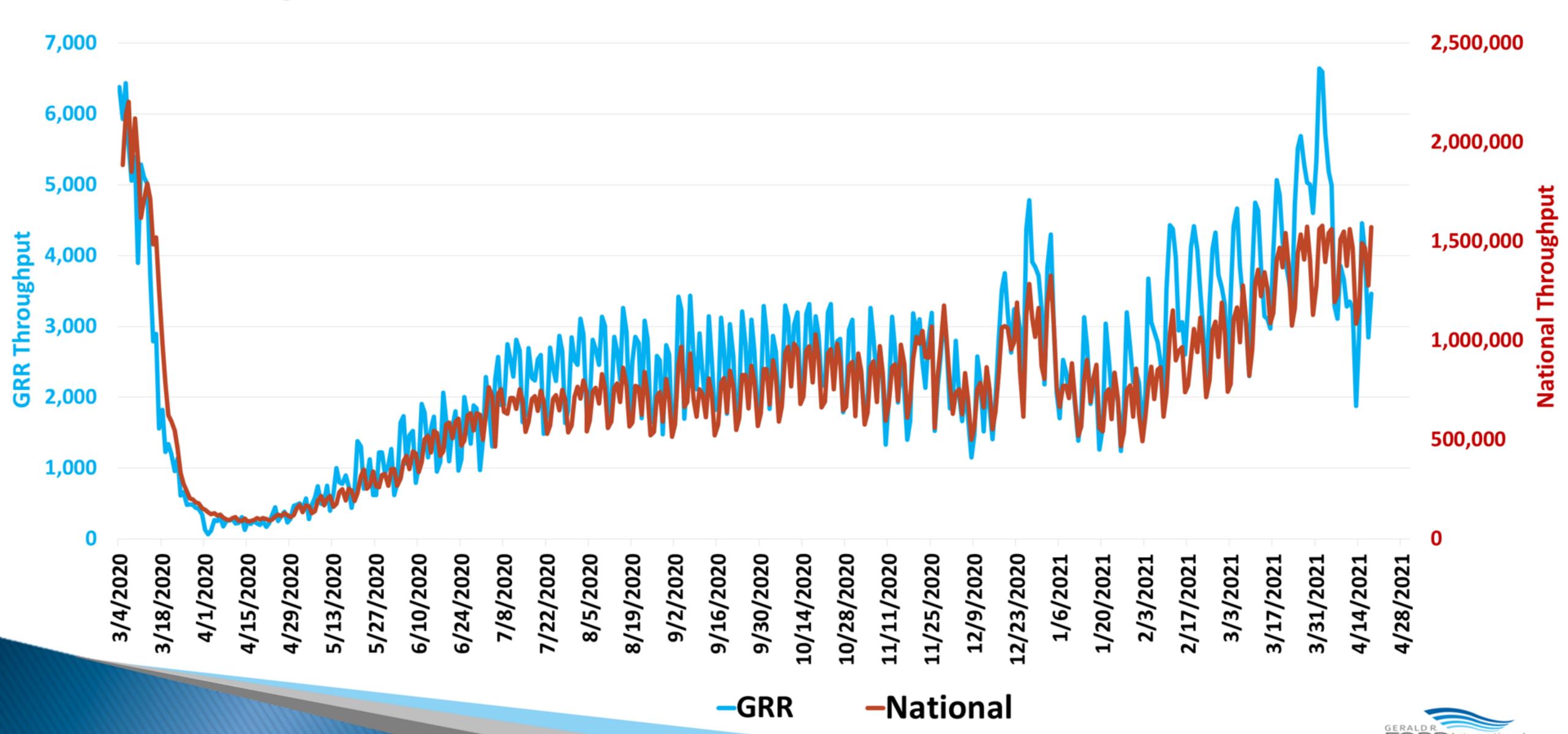




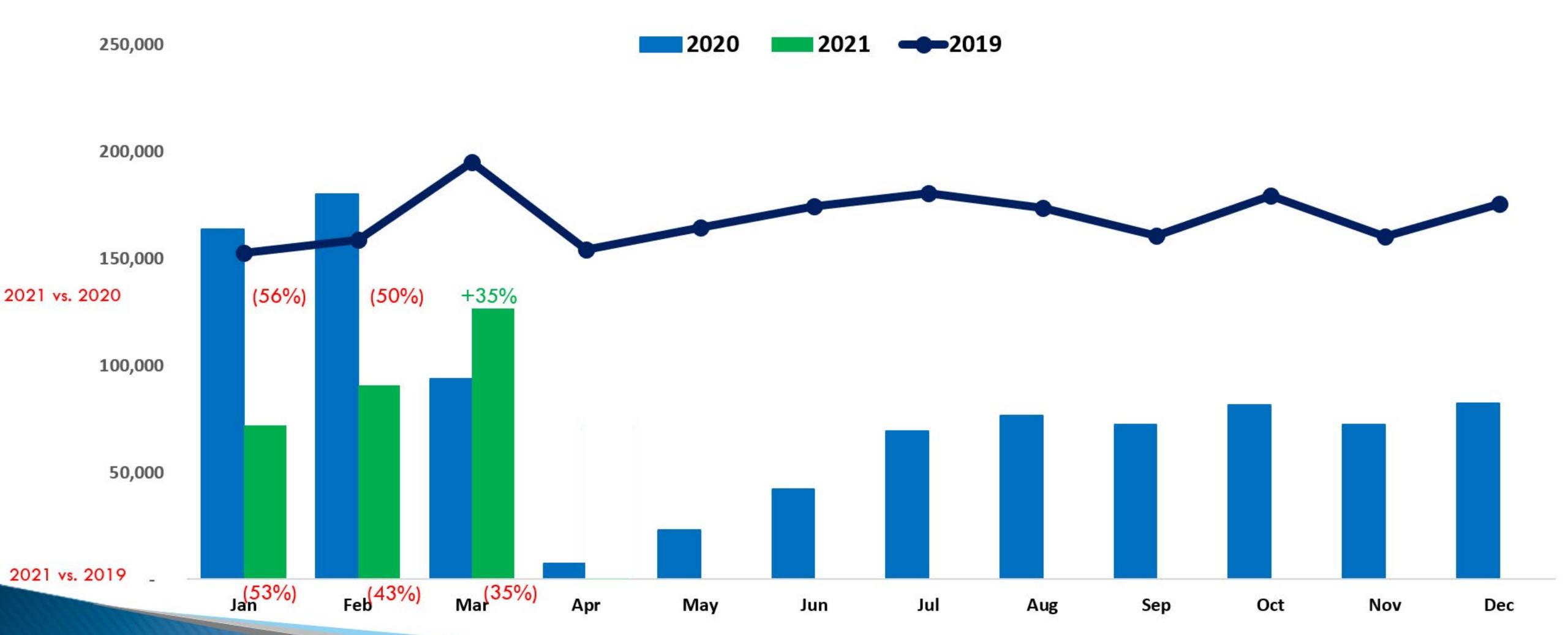




### TSA Throughput: GRR vs. National Travelers (YTD Apr 18, 2021)



## GRR TSA Throughput Comparison

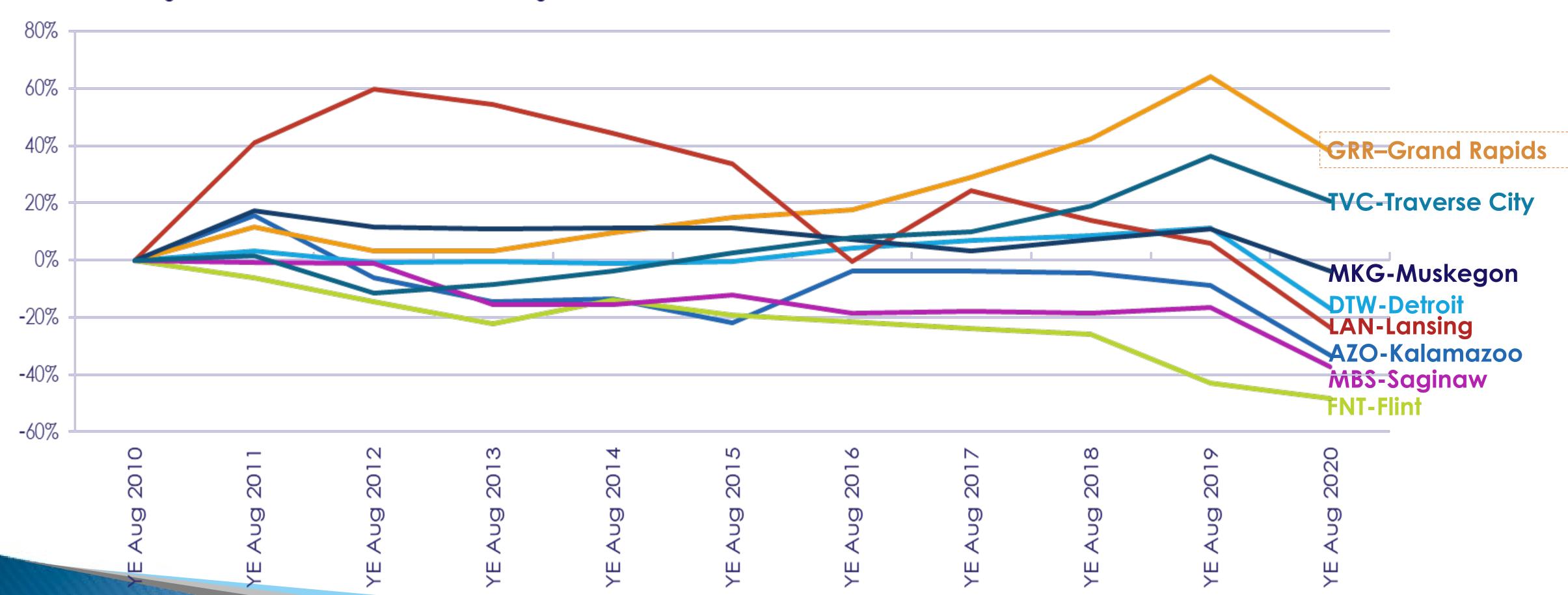




# GRR remains fastest growing airport in Michigan since 2010, despite COVID-19 capacity decreases

#### GRR VS. MICHIGAN PEER AIRPORTS CAPACITY

Annual % change in scheduled seats indexed to YE Aug 2010







# HELP US KEEP EVERYONE SAFE

PLEASE WEAR

FACE COVERINGS

Fly Safe. Fly Ford.



## Visual Cues and Signage



HELP US KEEP EVERYONE SAFE



FLY SAFE. FLY FORD.





Large Area Disinfection Innovation

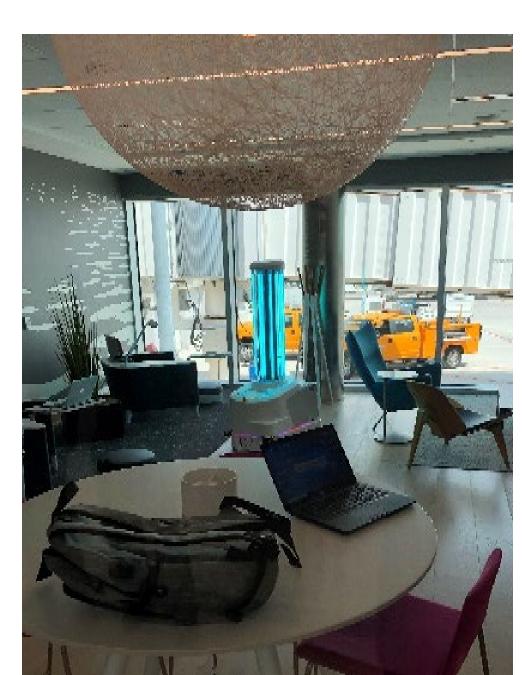
#### Deployment of Large Area Autonomous Disinfecting Vehidlea(D)

- Technology solution developed in MI
- Can be utilized on concourses, marketplace, ticketing and bag claim



#### Deployment of UVD Autonomous disinfecting robot

- Proven UVC light technology (first discovered in 1878, been in wide use in hospitals, water treatment and other industries since the 1900s)
- Proven autonomous platform
- Maximum coverage of areas (360 degree treatment, maximum efficiency)
- No reliance on chemicals (no buildup), areas usable immediately after treatment, can be used to quickly treat certain areas between uses



## Public Facing Disinfection





- Quick disinfecting box Can be used by guests to disinfect devices such as cell phones, laptops, glasses, etc. in TSA recomposure area, in concessionaire areas, or other public areas. Developed by Saginaw based company.
- Pop up UVC disinfecting tent Can be used to disinfect wheelchairs, smarte carts, or any other devices that may come in contact with guests. Another additional safety measure as part of our campaign. Developed by Saginaw based company.









The National Preparedness Leadership Initiative is a joint program of the Harvard TH Chan School of Public Health and the Harvard Kennedy School of Government, Center for Public Leadership.

# Chan School study gives airports high marks in COVID safety



## Continued Commitment to our Community



- GBAC STAR provides thirdry validation that facilities have the proper cleaning protocols, disinfectio
  techniques, and work practices to meet a higher level of cleanliness and safety.
- To achieve GBAC STAR accreditation, facilities must demonstrate compliance with the program's 20 elements





#### Our ongoing commitment to providing safe facilities for our guest, Fly safe. Fly Ford. means:

- Following the highest protocols for cleaning and sanitization
- Continued research into technologies and processes to improve upon cleaning and sanitization
- Continued research into technologies to improve guest's satisfaction and safety
- Constant verification that cleaning and sanitizing efforts are effective and a commitment to transparency with our partners and the public when reporting
- Holding ourselves to the highest of standards throughout our facility in everything we do.



## **COVID Role = Community Connection**













'This is history right here': Residents watch vaccine ship out

Newsroom

CNN's Dianne Gallagher looks at the distribution of Pfizer's coronavirus vaccine from Grand Rapids,
Michigan, and speaks to residents who drove out to watch some of the shipments depart the

airport. Source: CNN







First domestic shipment of Pfizer's COVID-19 vaccine departs Grand Rapids airport

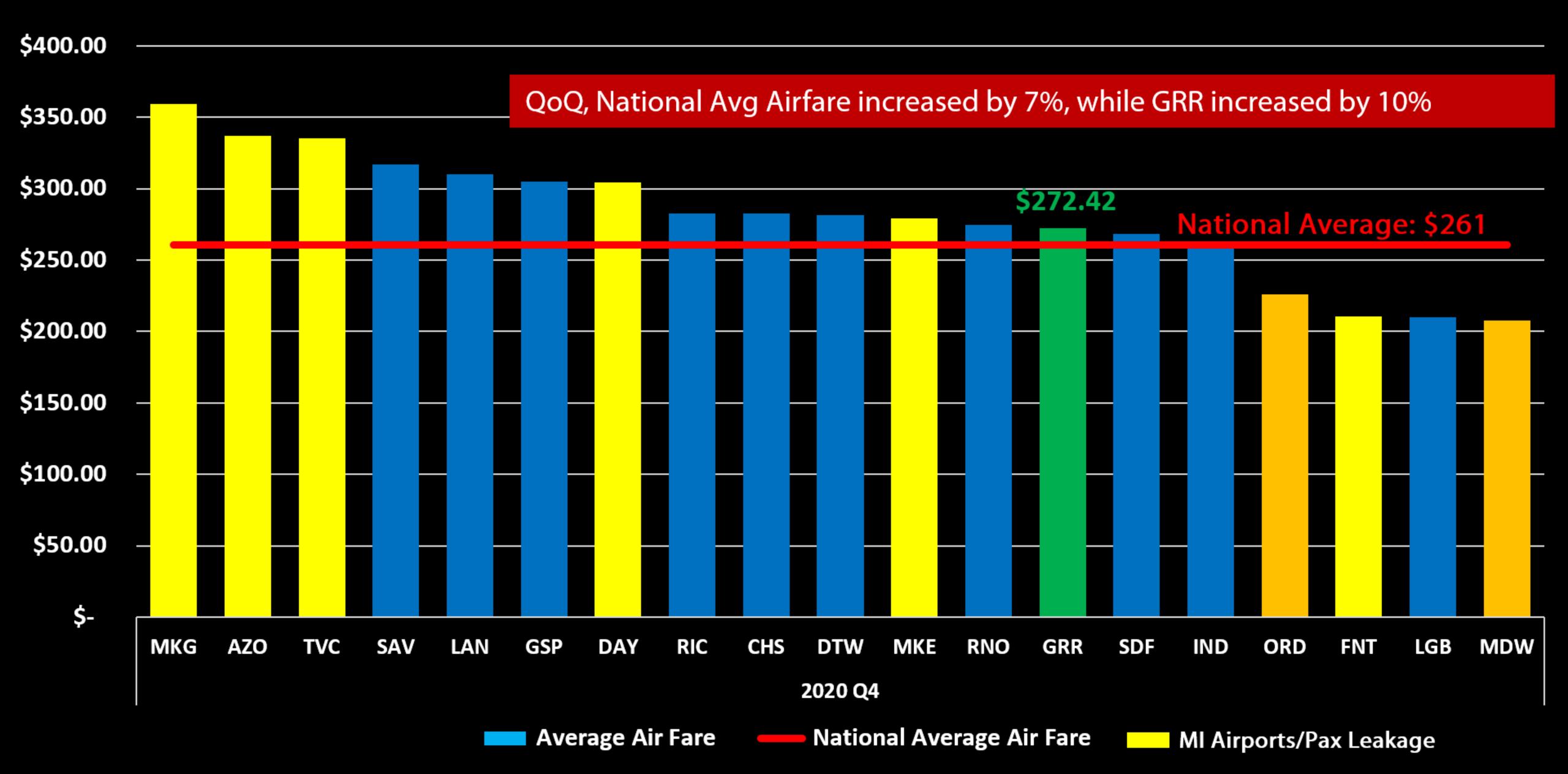
According to a release from the airport, the first doses arrived via truck from Pfizer's headquarters in Portage at 9:45 a.m. Sunday.

## 2020 Reaction - Fiscal Responsibility

- 2020 Approved Capital Budget = \$78.8 M
- >\$200 M of capital investment delayed March 2020
- \$17.8 M of delayed capital projects completed in 2020
  - \$2.4 M Gateway PH-2Capital Campaign funding
  - \$10 M Terminal Apron ExpansierFederal share
  - \$5.4 M Local Share
- Actual 2020 Capital Investment = \$32.8 M



## Average Domestic Airfare Benchmarking Q4, 2020



### Airside Facilities

#### 8R/26L

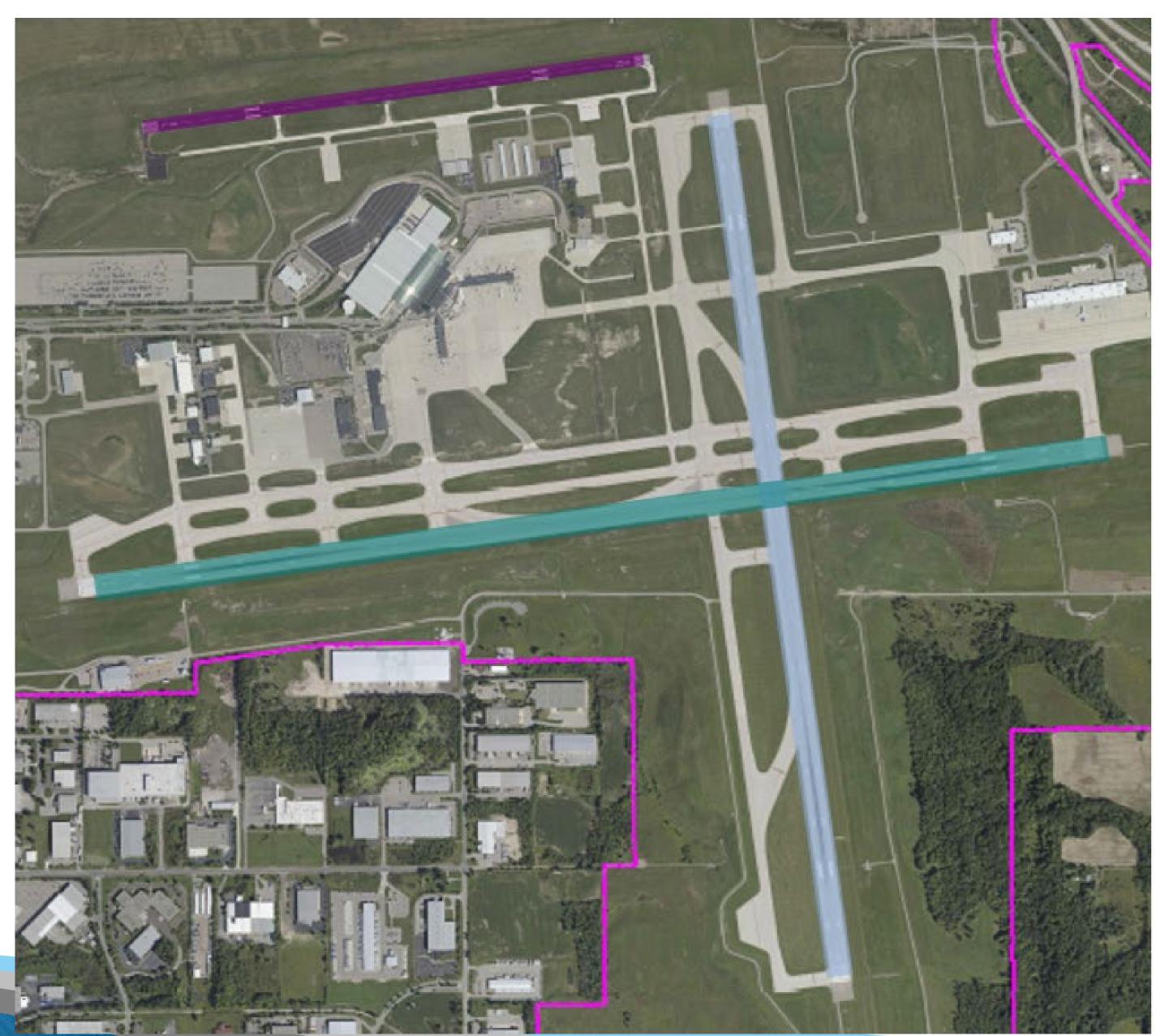
- Originally built in 1962
- Reconstructed in 2001
- 10,000' long x 150' wide

#### 17/35

- Originally built in 1963 as a general aviation runway
- Reconstructed in 1998
- 8,500' long x 150' wide

#### 8L/26R

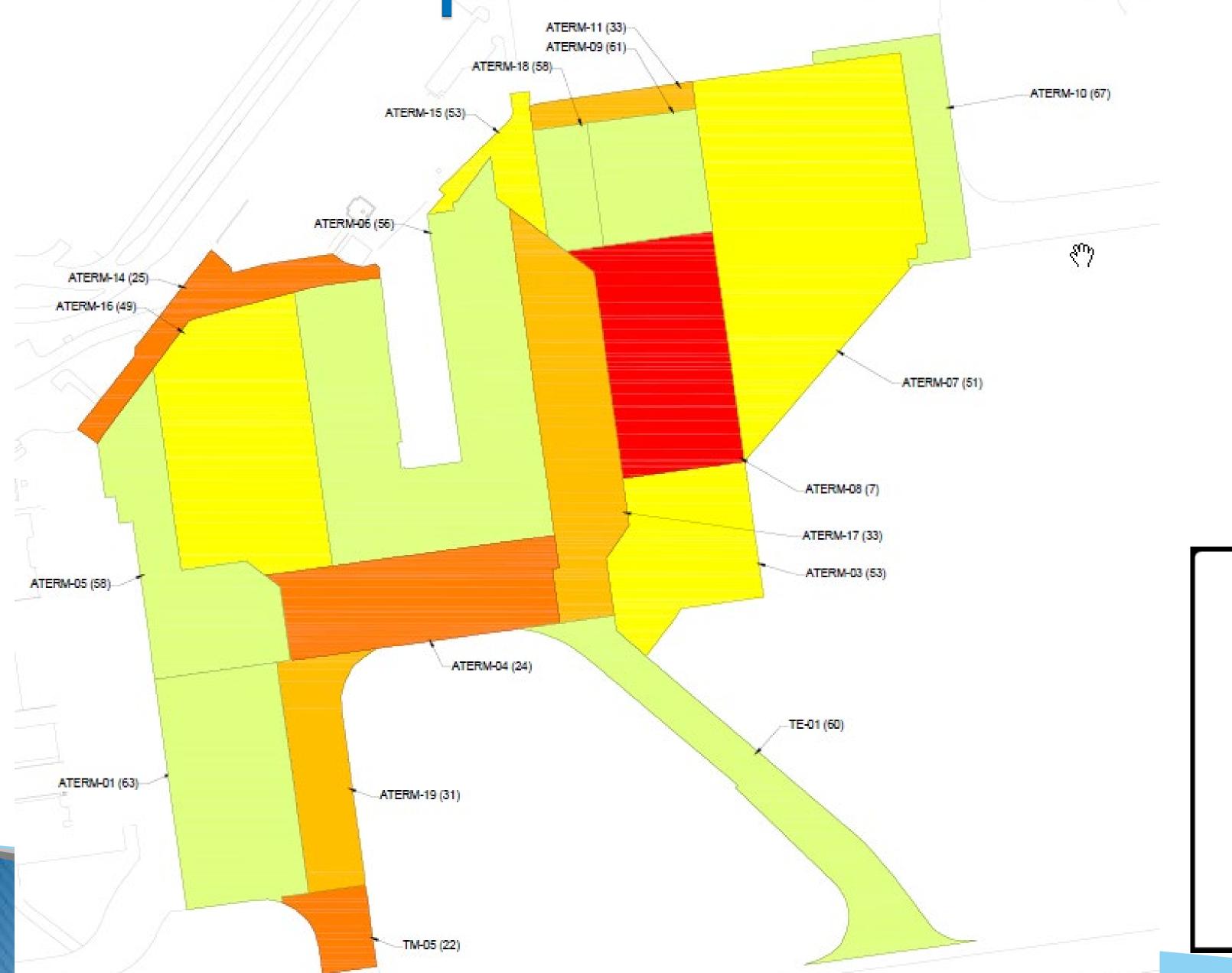
- Originally built in 1973
- Reconstructed in 1992
- Reconstructed in 2015
- 5,000' long x 100' wide

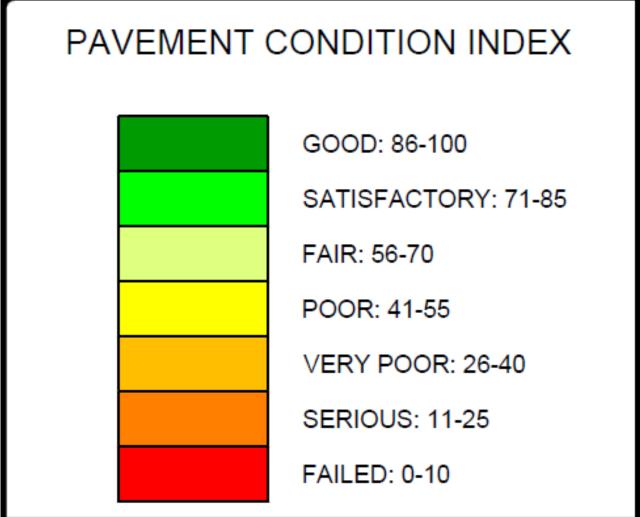






Terminal Apron – 2015 Condition





# Apron Reconstruction Design

- Reconstruction of 167,000 SY of concrete apron
- Frost Free Design
- New closed drainage system including new underdrain system
- New Apron Lighting
- Two Glycol Collection Systems (One on each side of Apron)
- Work to be phased to minimize passenger and operational impacts
- One of MANY concurrent projectsmany impacts, many contractors
- Airport operations > Construction

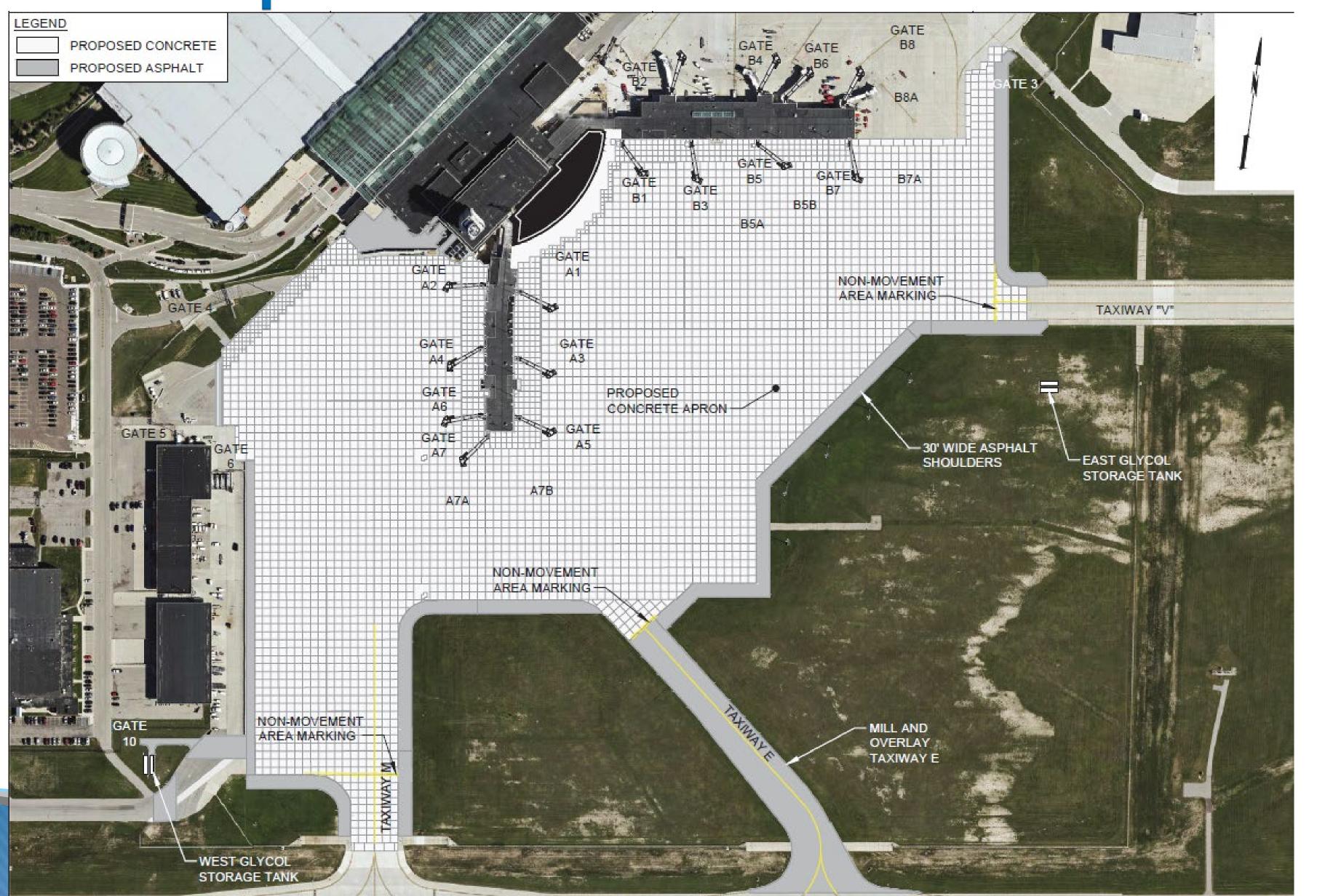


# Apron Reconstruction Design

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  Two Glycop Collabilish Systems (and on each side of Apron)
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Terminal Apron Reconstruction - Scope

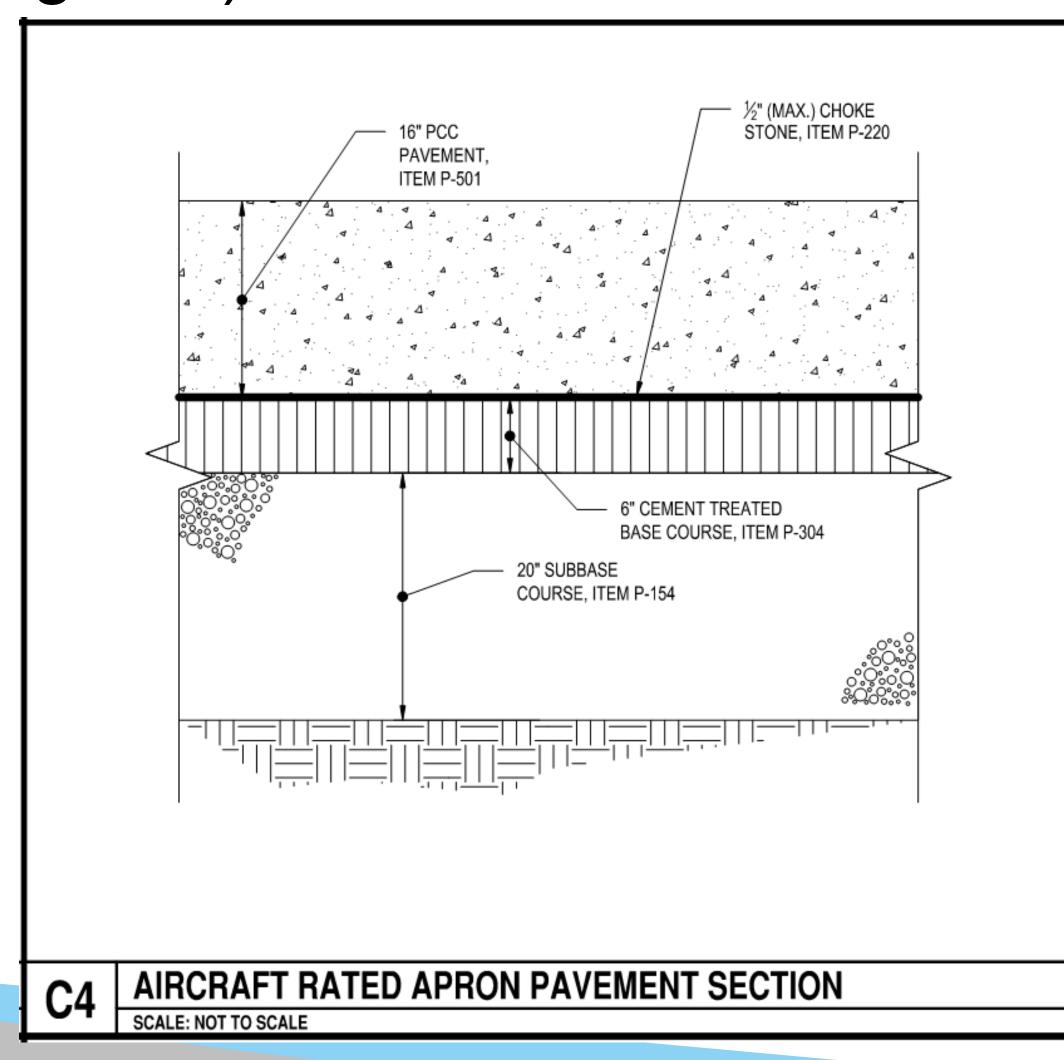






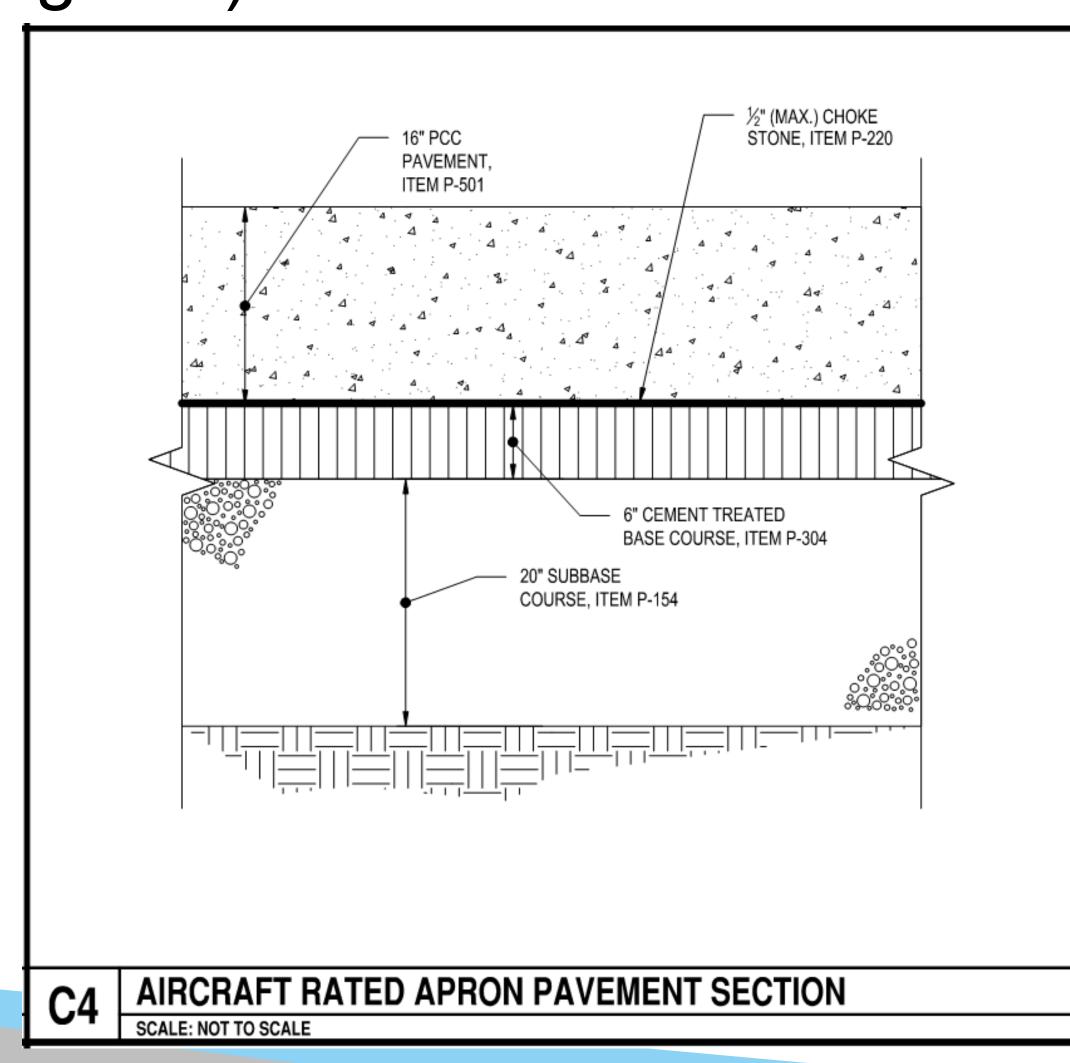
# Apron Pavement Section

- Aircraft Rated Pavement Section (Boeing 777)
  - 16" Portland Cement Concrete (PCC)
  - 6" Cement Treated Base (CTB)
  - 20" Subbase Material
- Non-Aircraft Rated
  - 8" PCC
  - 6" CTB
  - 28" Subbase Material
- Total PCC = 153,000 SYDs
- Enough for a?? Pmile stretch of sidewalk from the Ford Airport to???????



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- Non-Aircraft Rated
  - 8" PCC
  - 6" CTB
  - 28" Subbase Material
- Total PCC = 153,000 SYDs
- Enough for a 250-mile stretch of sidewalk from the Ford Airport to the Mighty Mad



## Phase 1-2018





# 2018 Construction Challenges

- Multiple sheet changes due to the incorporation of the Expansion designs
- Spoil Area capacity reduced due to a stalled Wetlands credit
- Labor dispute with the Operators union had schedule impacts
- Weather

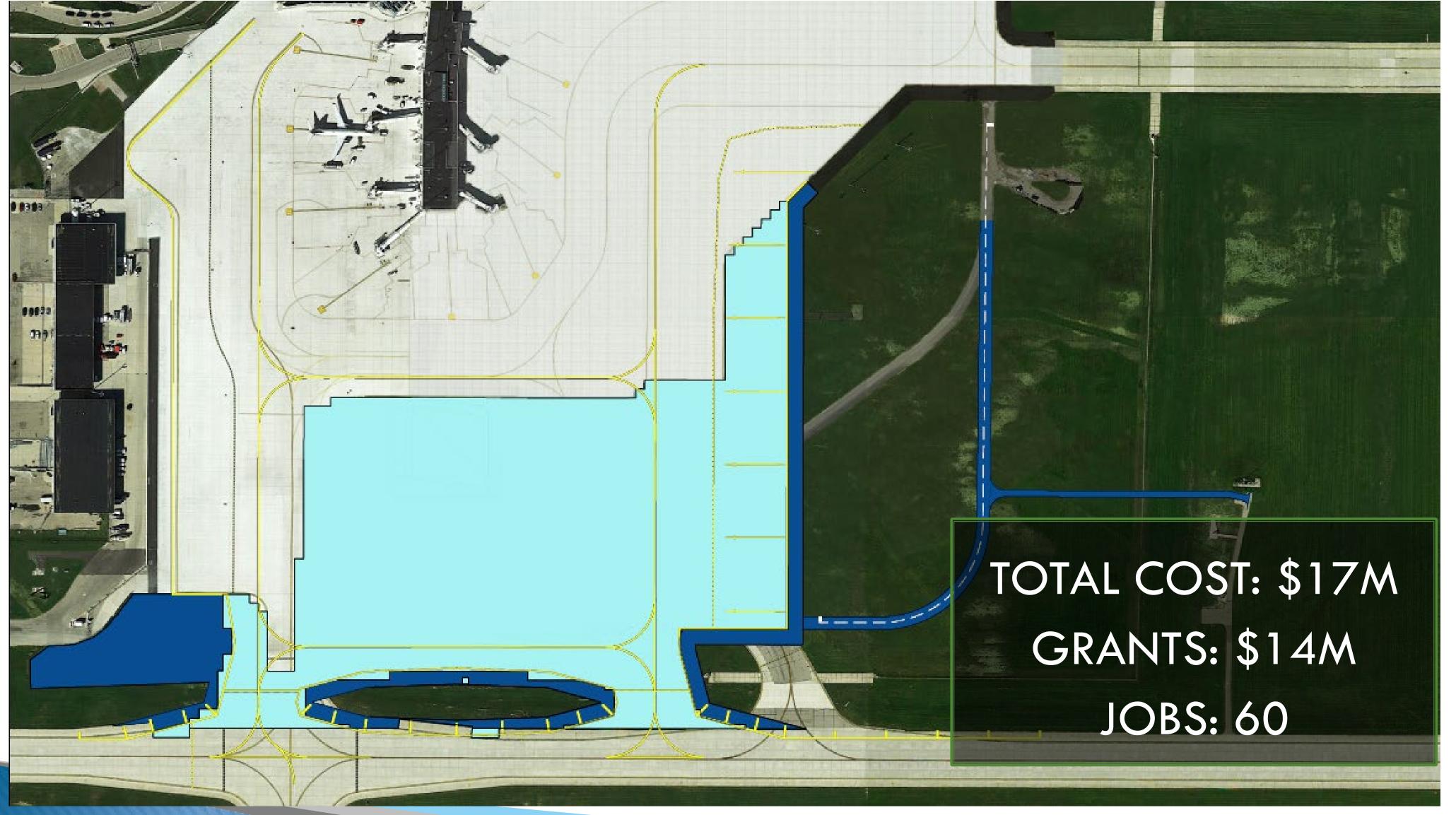


### 2019 Construction Challenges

- Aircraft size and frequency increases
- Administering two projects with Contractor that was managing as a single project
- Funding, Apron Expansion?
- Expansion Project was designed with new Advisory Circular
- Phase changes to coordinate with Project
  - Elevate CM
- Demand for RON spots doubled
- Weather

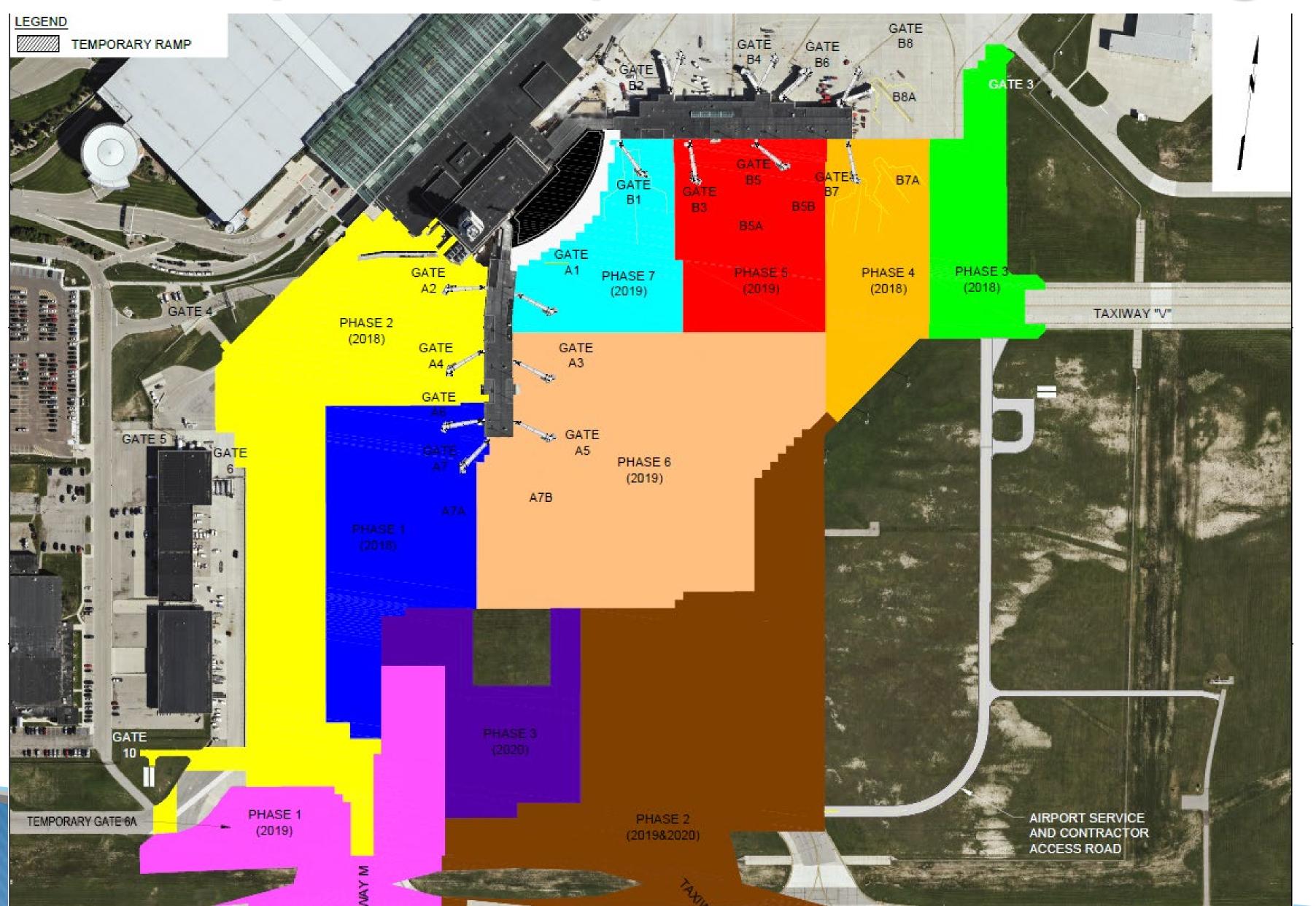


#### Terminal Apron Expansion Necessity, but Impacts





#### Terminal Apron Expansion Phasing Plan





# 2019 – Operations Allegiant Maintenance Base

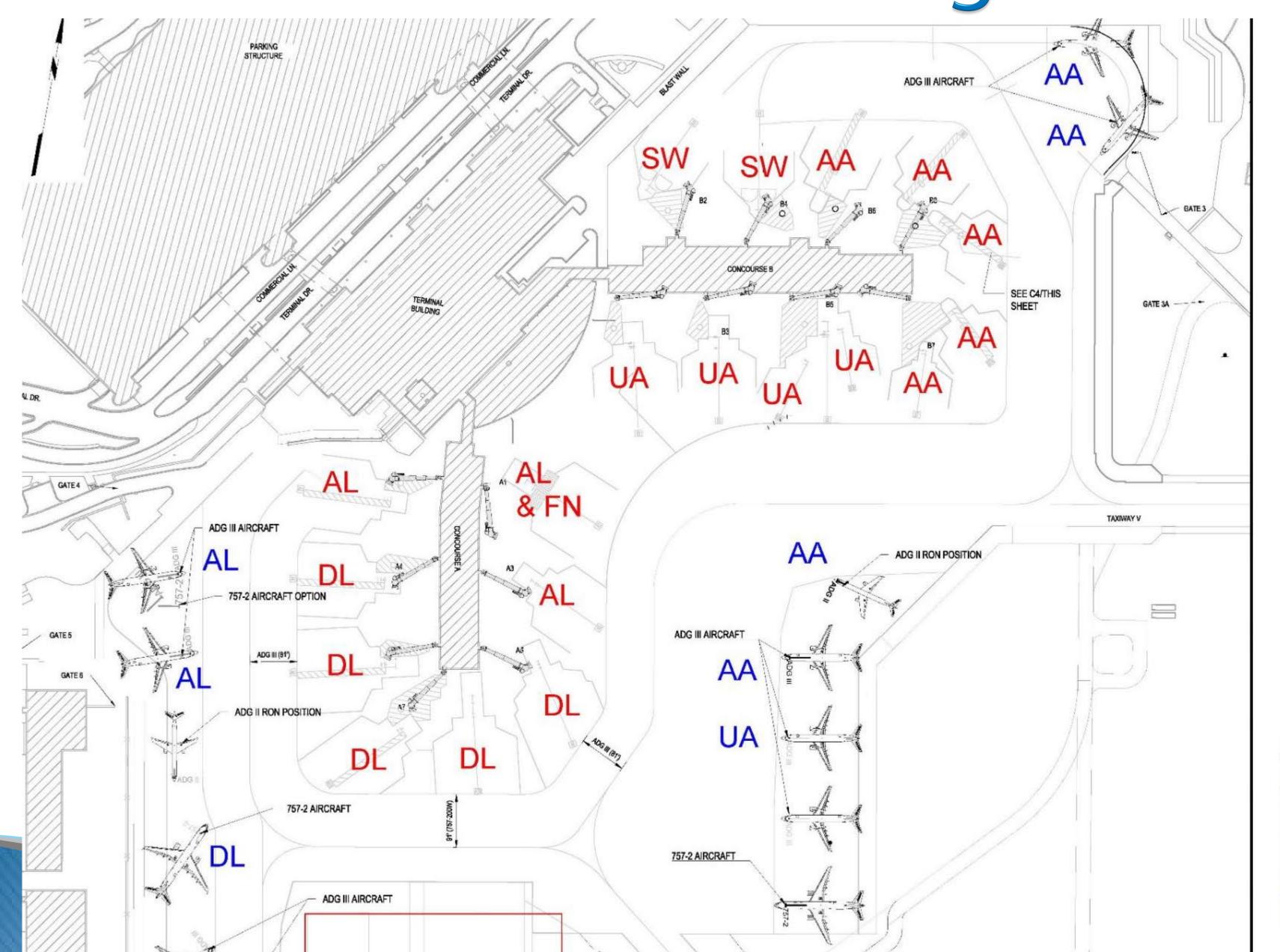
- \$42.8M airport investment
- 66 permanent jobs (pilots, flight attendants, and aircraft maintainers)
- Wages<u>DOUBLE</u> Michigan average

"The Grand Rapids location is key to our company's strategic growth"

Hilarie Grey
Allegiant Director of Corporate
Communications



#### 2019 Construction Challenges – Overnight



AA = AMERICAN

AL = ALLEGIANT

DL = DELTA

FN = FRONTIER

SW = SOUTHWEST

UA = UNITED

#### 2019 Construction



















#### Terminal Apron Reconstruction Fun Facts

- 167,000 SY of Concrete Pavement Removal
- 200,000 CY of Excavation
- 100,000 CY Subbase Material
- 152,000 SY New Concrete Pavement
- 6.5 Miles of Underground
   Storm Drainage
- 16 miles of Pavement Marking
- ?????%Material Reused or Repurposed





#### Terminal Apron Reconstruction Fun Facts

- 167,000 SY of Concrete Pavement Removal
- 200,000 CY of Excavation
- 100,000 CY Subbase Material
- 152,000 SY New Concrete Pavement
- 6.5 Miles of Underground
   Storm Drainage
- 16 miles of Pavement Marking
- 99%+Material Reused or Repurposed









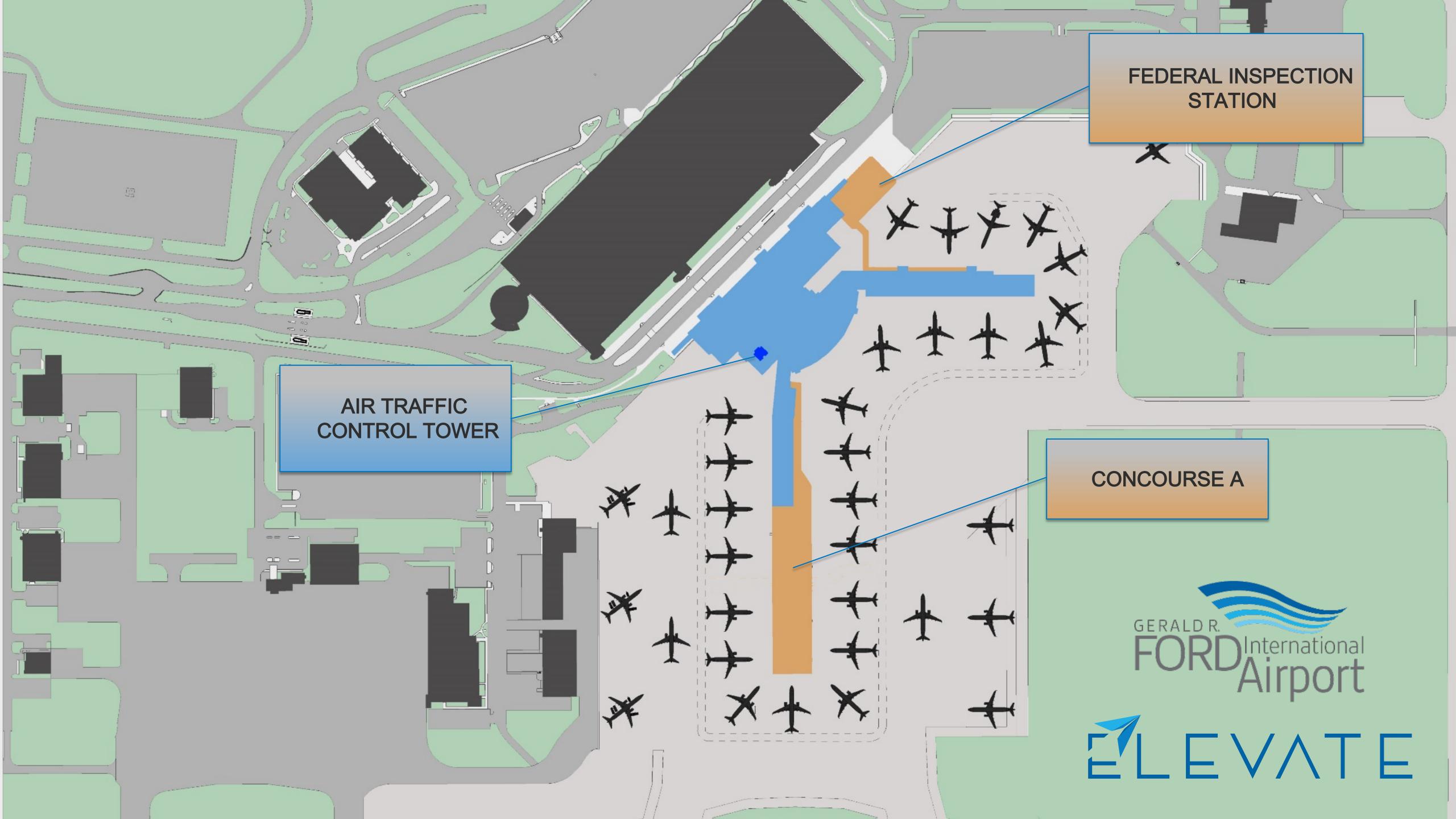
# 2020 Construction Challenges GLOBAL PANDEMIC

- Delayed start date (Apron Expansion)
- Virtual Meetings
- Masks while on site
- Sanitization
- Gate guard interactions
- Contractor health screening
- Contractor staff availability
- Construction site shutdown (Gateway Phase 2)
  - Room to work in the terminal

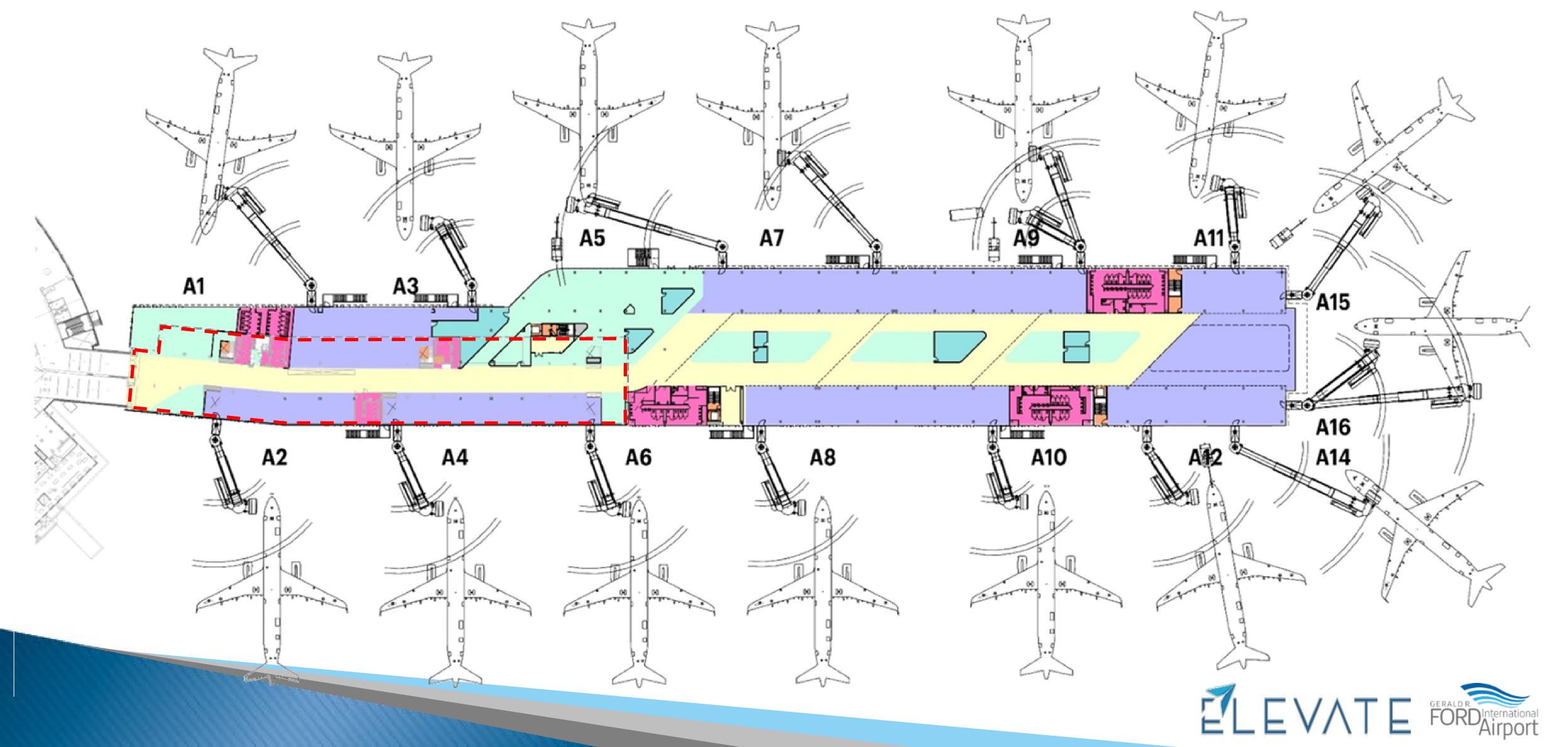








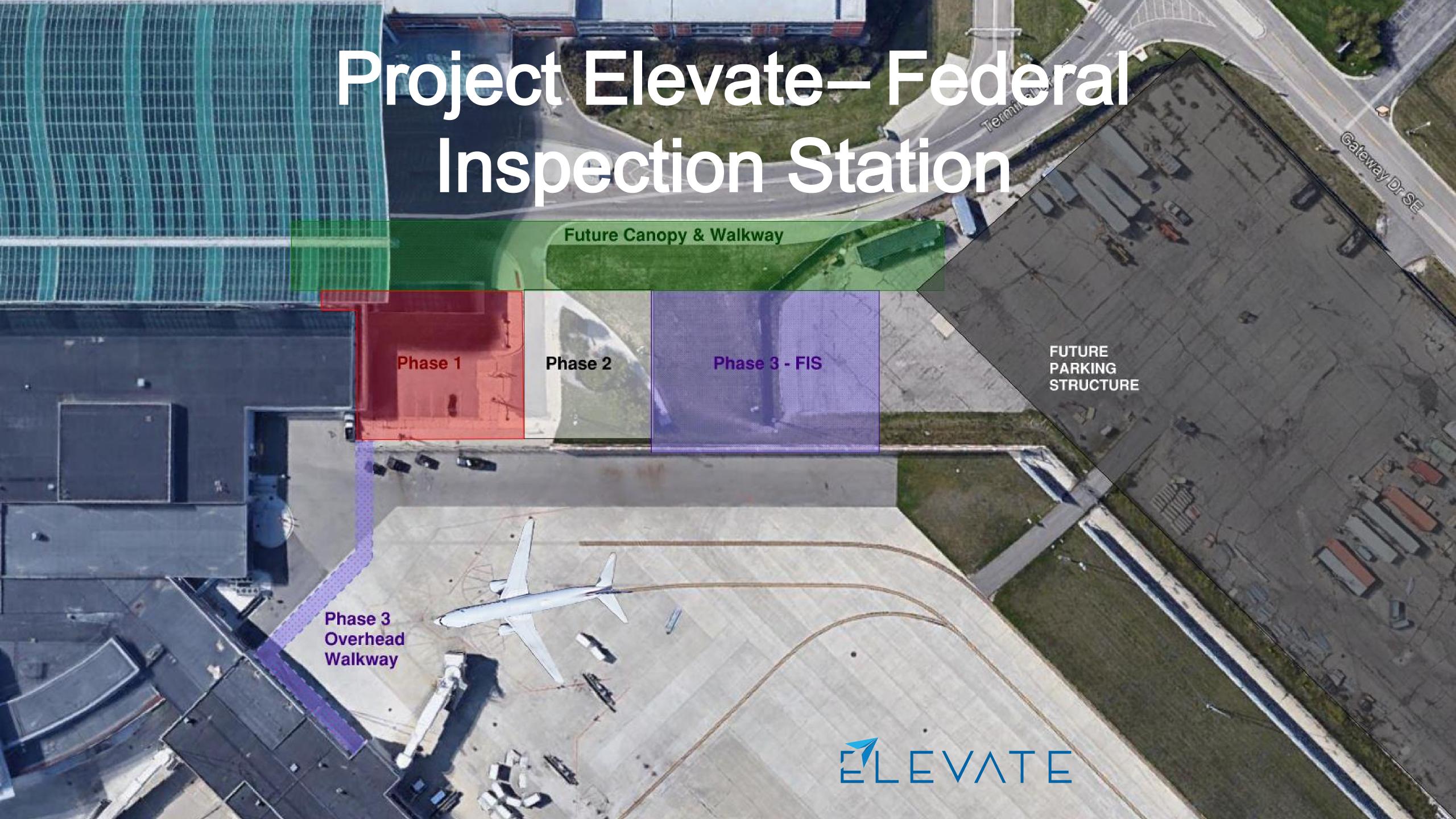
## Concourse A Expansion & Widening



### Project Elevate - Concourse A

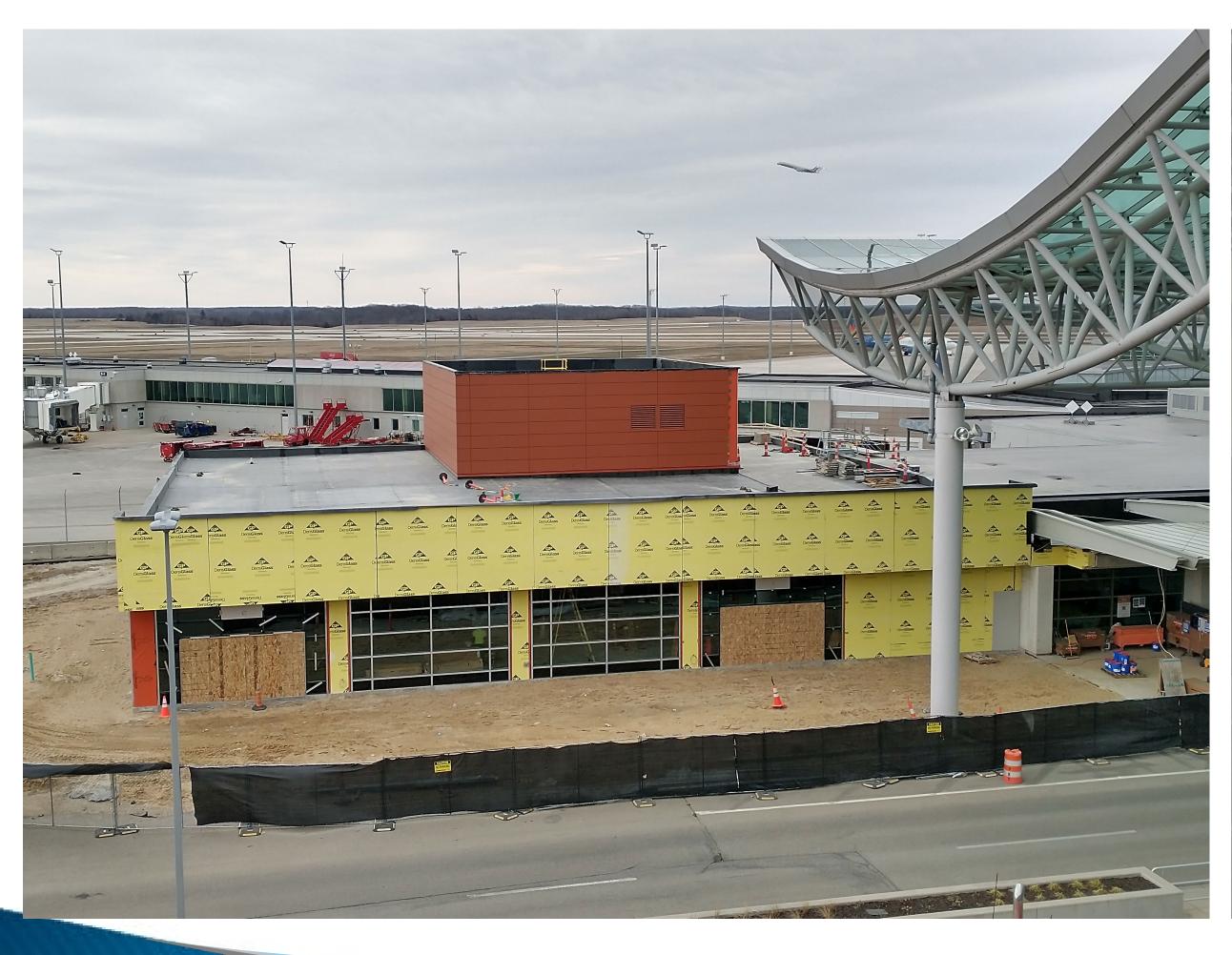








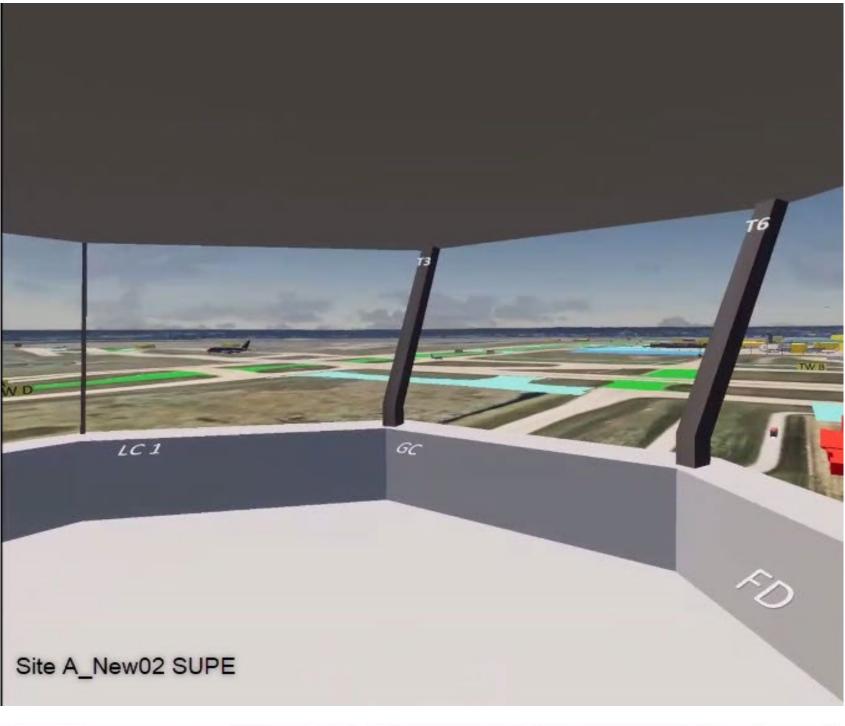
## ELEVATE FIS-Phase 1

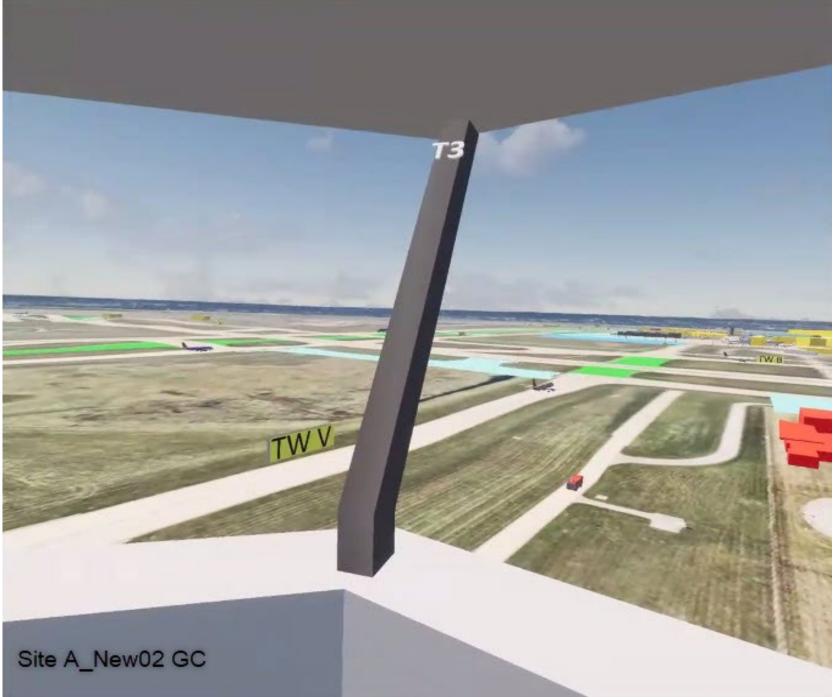


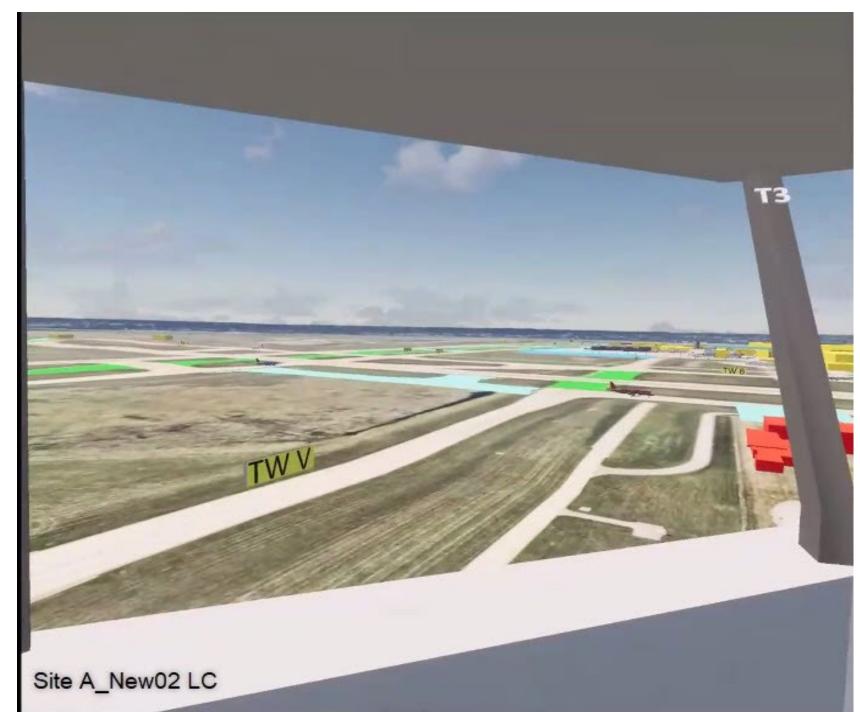








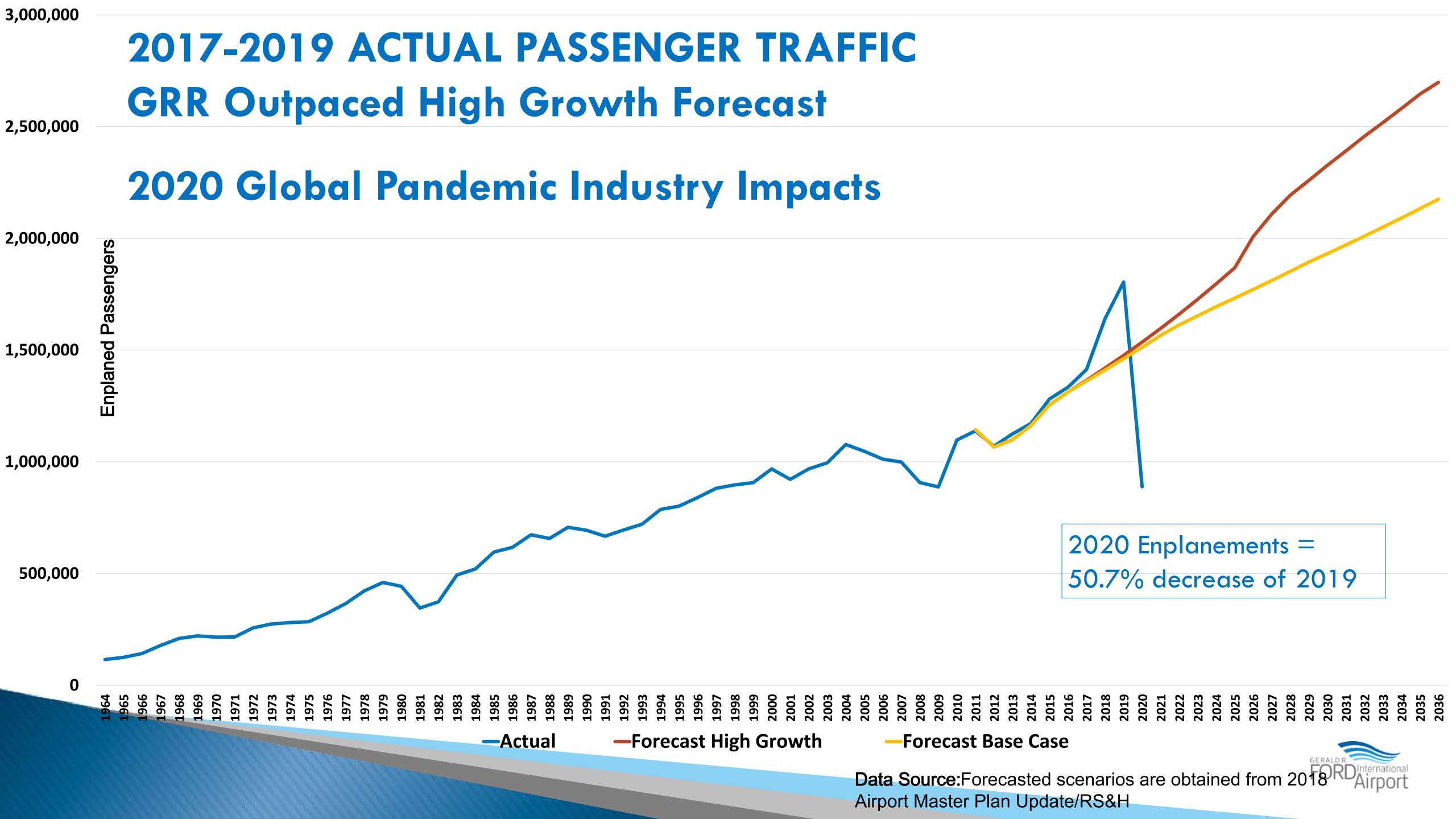




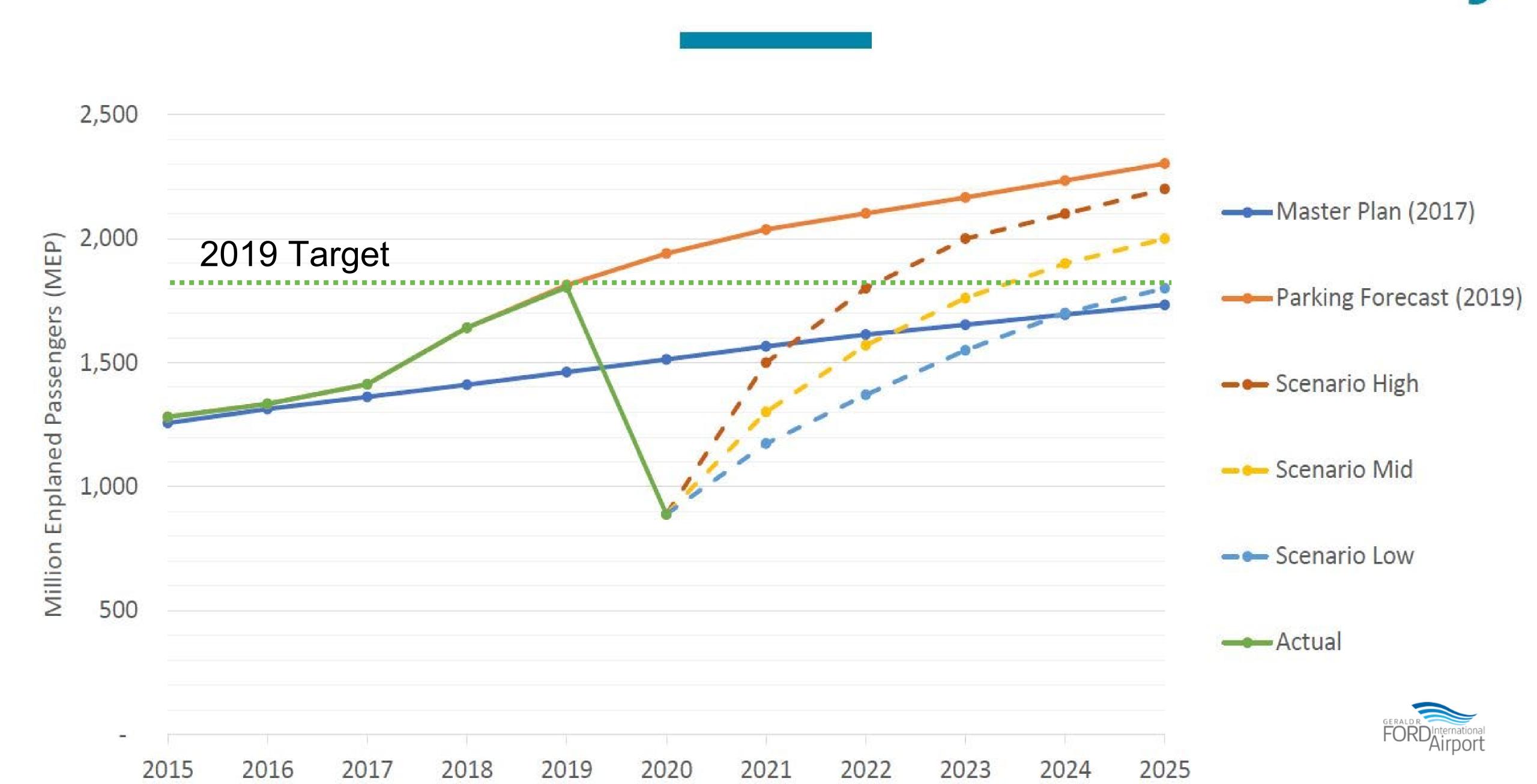








#### Forecast scenarios - near term recovery



#### A clear path forward.

