



- Mission Statement
- Introductions
- Safety Vision
  - National Incidents & Initiatives
- RIC SAFE
  - Local Incidents & Initiatives
- Security Matters
- Construction Update
- ARFF
- PD
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### **Mission Statement**

• To ensure the safety of passengers and employees, the protection of all assets, and compliance with all applicable policies of the Capital Region Airport Commission and government entities of the Richmond International Airport family.

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## Bubble Wrap Cited as United Boeing 737 Engine Fire Cause



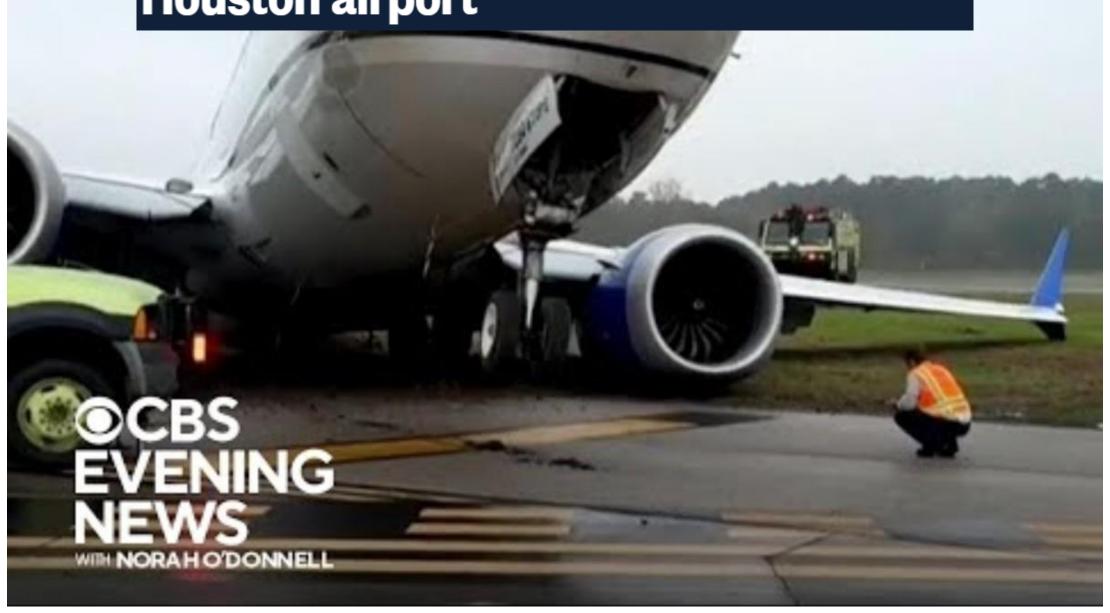
# Tire flies off United Boeing plane shortly after takeoff



## **American Airlines 777 Clips Frontier A321neo in Miami**



# United Airlines flight rolls off runway at Houston airport



Boeing 737 loses external panel midflight, lands safely in Oregon in latest plane incident



# MISSING PANEL

### Incident on Latam Flight Injures Dozens Aboard Boeing 787 Dreamliner



# RIC SAFE

**Local Incidents & News** 









- The CDC has identified 3 different kinds of Distracted driving.
  - 1. Visual distractions that cause you to take your eyes away from the road.
  - 2. Manual distractions that cause you to remove your hand from the wheel.
  - 3. Cognitive distractions that take your mind off of driving.
- About 3,000 people die in auto incidents a year due to distracted driving.
- Taking your eyes off the road for 5 seconds at 55mph is the equivalent to traveling the length of a football field without looking.

§ 46.2-818.2. Use of handheld personal communications devices in certain motor vehicles; exceptions; penalty.

A. It is unlawful for any person, while driving a moving motor vehicle on the highways in the Commonwealth, to hold a handheld personal communications device.





#### Know the difference!



**A tornado WATCH** means tornadoes are possible in and near your area. Be ready to act fast!



A tornado WARNING means Take Action! A tornado is near. There is danger. Move to safe location right away.

# What Should You Do Before a Tornado?

## Find Shelter Locations from High Winds in the Places Where You Spend a Lot of Time

- Find a safe room built to withstand high winds. The next best protection is a small room with no windows on the lowest level of a sturdy building.
- Mobile, manufactured, trailer homes and recreational vehicles (RVs) are not safe in high wind events. Plan ahead by finding a sturdy building to shelter in before a tornado watch or warning.

#### **Practice Tornado Drills**

- With your entire household, practice moving quickly to the safe locations that you identified.
- Create a personal support team of people you may assist and who can assist you.
- If you live in a mobile home, practice going to a safe place.

#### Plan to Stay Connected

- Sign up for free emergency alerts from your local government.
- Plan to monitor local weather and news.
- Have a backup battery or a way to charge your cell phone.
- In case of a power outage, have a battery-powered radio.
- Know the difference:
  - Tornado Watch: Be Prepared! Tornadoes are possible in and near the watch area. Be ready to act fast!
  - Tornado Warning: Take Action! A tornado is near. There
    is danger. Move to safe location right away.
- You may not always receive a tornado warning. Know the signs of a tornado. Take shelter if you feel you are in danger.

#### **Gather Emergency Supplies**

- Gather food, water, and medicine. Stores and pharmacies might be closed. Organize supplies into a Go-Kit and a Stayat-Home-Kit:
  - Go-Kit: at least 3 days of supplies that you can carry with you. Include batteries and chargers for your devices (cell phone, CPAP, wheelchair, etc.)
  - Stay-at-Home Kit: at least 2 weeks of supplies.
- Have a 1-month supply of medication in a child-proof container, and other needed medical supplies or equipment.
- Keep personal, financial, and medical records safe and easy to access (hard copies or securely backed up). Consider keeping a list of your medications and dosages on a small card to carry with you.

#### Learn Emergency Skills

- Learn First Aid and CPR to help others.
- Be ready to live without power. Utilities may be offline. Be ready to live without power, gas, and water. Plan for your electrical needs, including cell phones and medical equipment. Talk to your doctor. Plan for backup power.



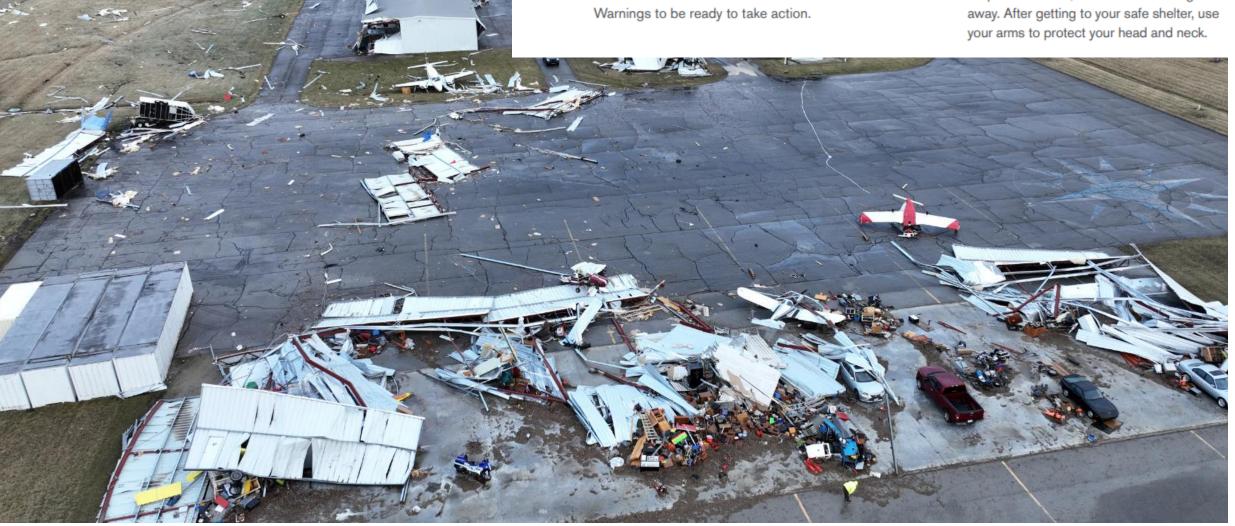
#### **Closely Monitor Weather Conditions**

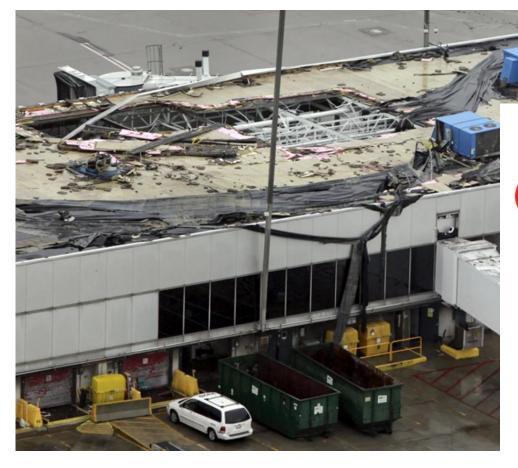
•Tune in to radio, TV or other news sources for more information about Tornado Watches and



#### Seek Safe Shelter Immediately

If a Tornado Warning is issued. Or, if you suspect a tornado, seek safe shelter right





#### What to Do: After



#### Avoid Injury

- Keep listening to radio, TV or other news sources. Stay in your shelter until the tornado warning is over.
- Do not enter damaged buildings.
- •If the building you are in has been damaged, exit with extreme care and stay out. Look around for things that might fall or dangerous debris. Do not use matches or lighters inside. If you smell gas or see spills that could be flammable, leave immediately.
- •If you are trapped, try to cover your mouth with a cloth or mask to avoid breathing dust. Try to send a text, bang on a pipe or wall, or use a whistle instead of shouting.
- Watch out for exposed nails and broken glass.
- Stay clear of fallen power lines or broken utility lines.



#### Treat Injuries

- People may be injured. Provide first aid as needed.
- Do not attempt to move a person with a back or neck injury unless they are in immediate danger. Seek immediate medical assistance.



#### Clean Up Safely

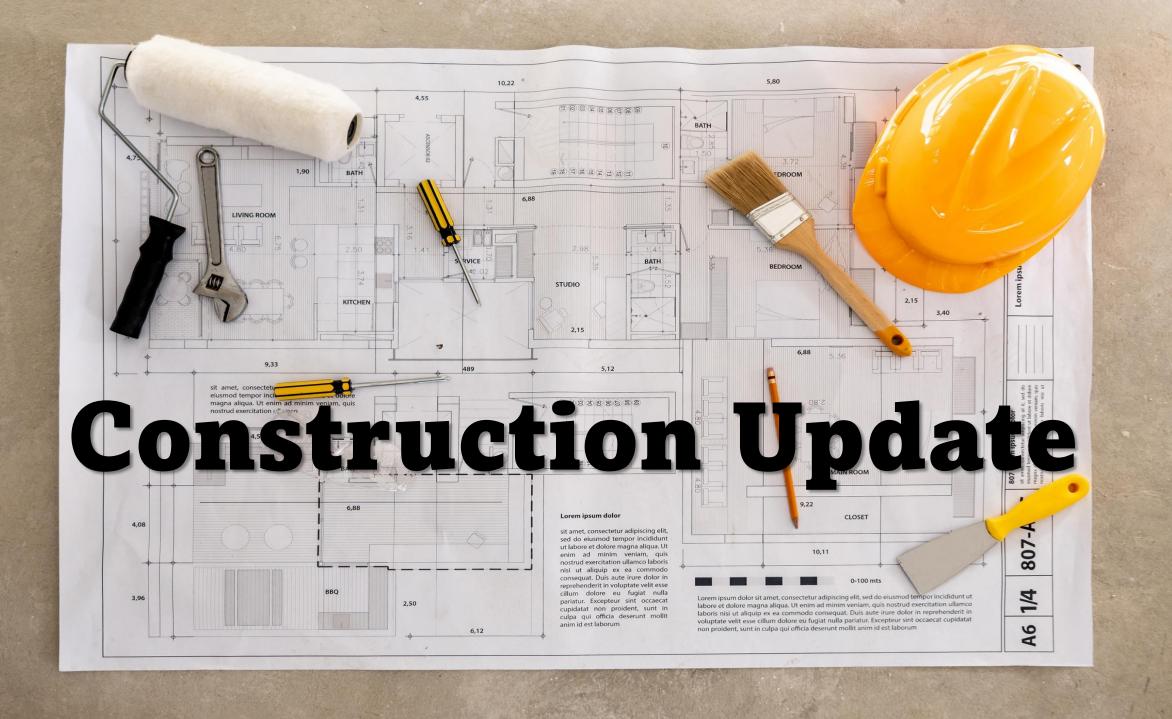
- Be careful during clean-up. Wear thicksoled shoes, long pants and work gloves to reduce injuries.
- Children should not take part in disaster cleanup work.
- If power is out, use flashlights or batterypowered lanterns to reduce fire risk.
- Be aware of carbon monoxide poisoning. Do not use gasoline, propane, natural gas or charcoal-burning devices inside a home, basement, garage, tent or camper — or even outside near an open window. Carbon monoxide can't be seen or smelled, but it can kill you fast. If you start to feel sick, dizzy or weak, get to fresh air right away — do not delay.



#### **Take Care of Yourself**

- •It's normal to have a lot of bad feelings, stress or anxiety.
- Eat healthy food and get enough sleep to help you deal with stress.
- You can contact the Disaster Distress Helpline for free if you need to talk to someone. Call or text 1-800-985-5990.









# **APRIL 2024**

| SUN | MON | TUE | WED                  | THU | FRI | SAT |
|-----|-----|-----|----------------------|-----|-----|-----|
| 31  | 1   | 2   | 3                    | 4   | 5   | 6   |
| 7   | 8   | 9   | 10                   | 11  | 12  | 13  |
| 14  | 15  | 16  | 17<br>Safety Meeting | 18  | 19  | 20  |
| 21  | 22  | 23  | 24                   | 25  | 26  | 27  |
| 28  | 29  | 30  | 1                    | 2   | 3   | 4   |







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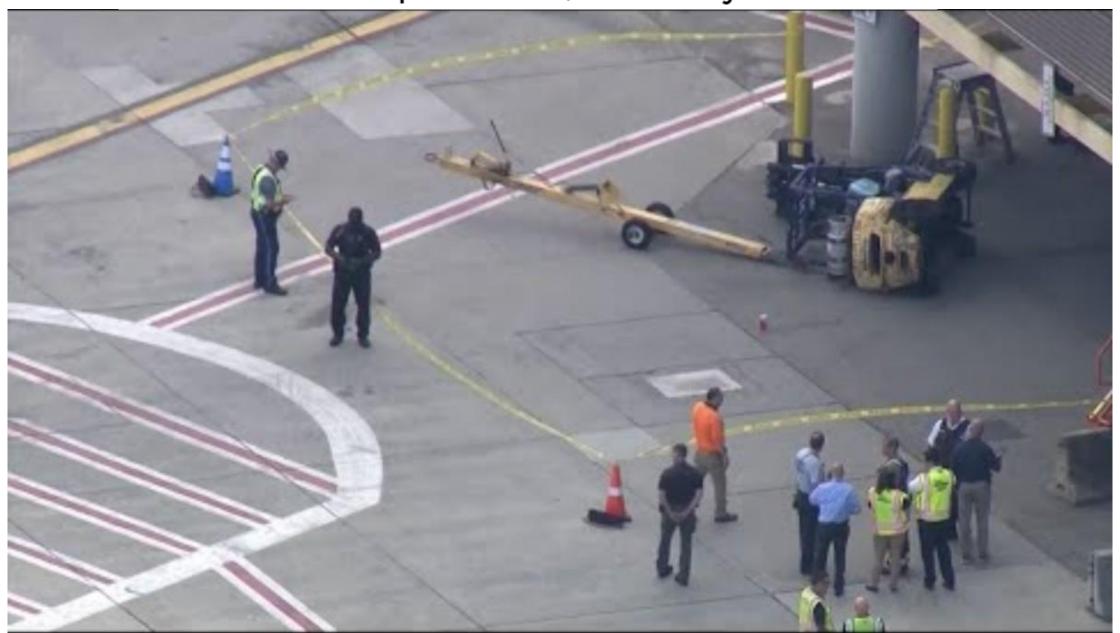
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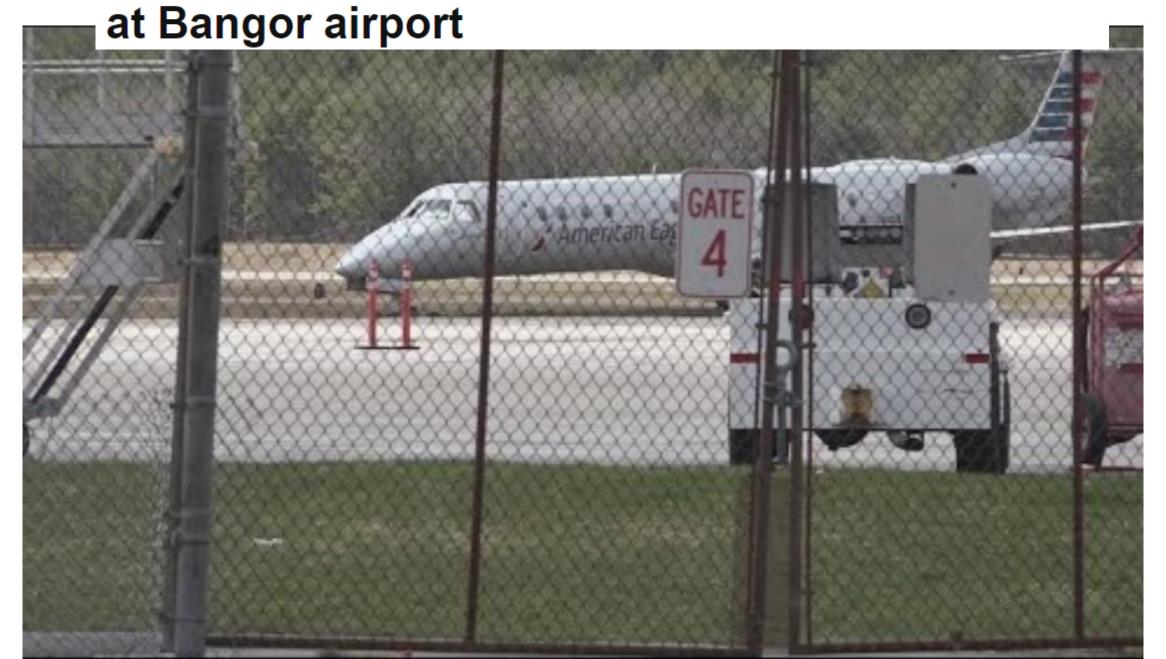
Engine cover falls off Southwest Boeing plane during takeoff in Denver, US



Deadly forklift incident at Boston's Logan Airport could have been prevented, OSHA says



Plane gets stuck in mud after leaving pavement



Reason for flight cancellation at Peoria Airport is blowing in the wind



At least 50 people arrested after protests disrupt traffic in Loop, near O'Hare Airport



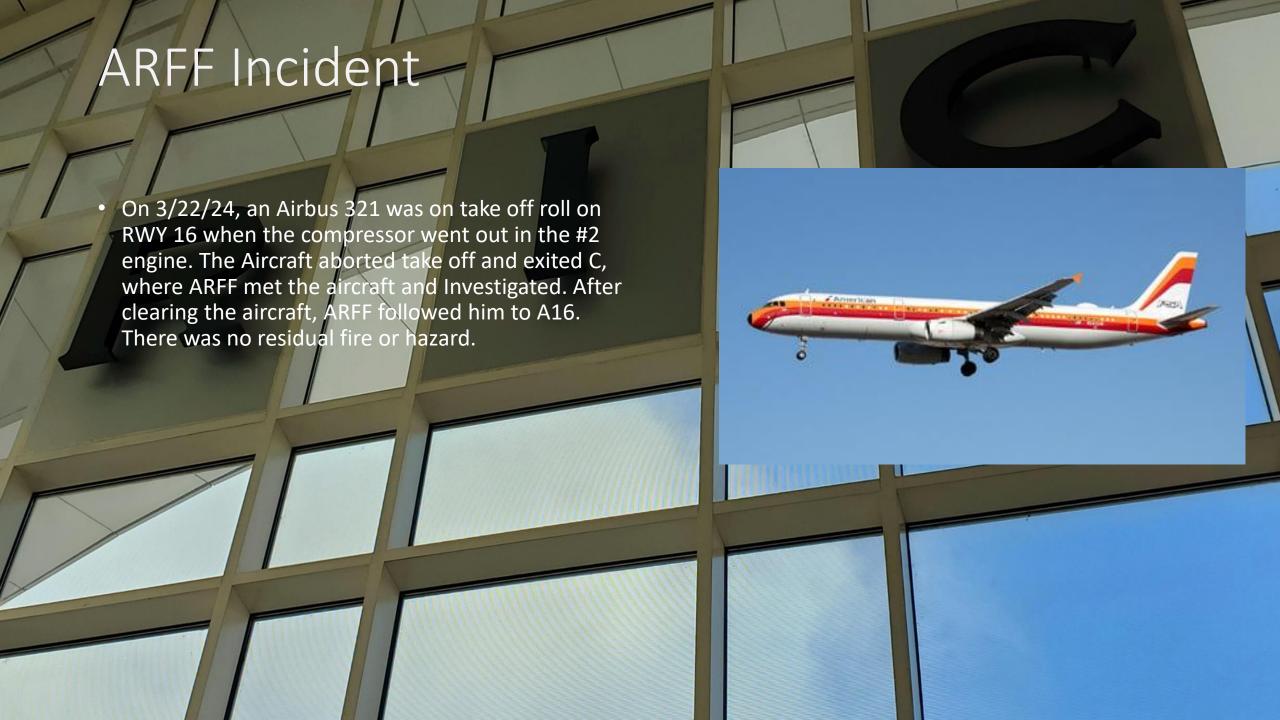
# Top 10 busiest airports in the world shift with the rise of international air travel demand

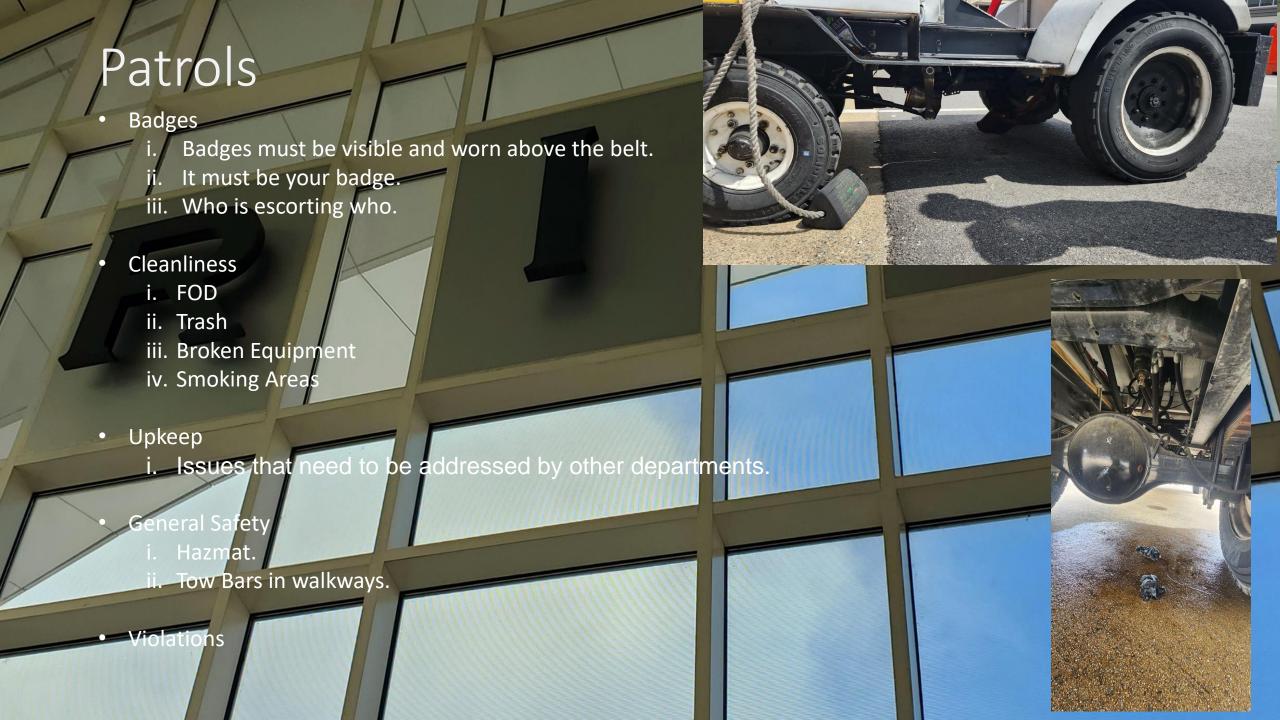
| PASSENGERS* |               |    |                              |             |                     |                     |  |  |  |
|-------------|---------------|----|------------------------------|-------------|---------------------|---------------------|--|--|--|
| 2023        | 023 2022 2019 |    | AIRPORT                      | 2023        | % CHANGE<br>VS 2022 | % CHANGE<br>VS 2019 |  |  |  |
| 1           | 1             | 1  | ATLANTA, USA (ATL)           | 104 653 451 | 11.7                | -5.3                |  |  |  |
| 2           | 5             | 4  | DUBAI, UAE (DXB)             | 86 994 365  | 31.7                | 0.7                 |  |  |  |
| 3           | 2             | 10 | DALLAS/FORT WORTH, USA (DFW) | 81 755 538  | 11.4                | 8.9                 |  |  |  |
| 4           | 8             | 7  | LONDON, UK (LHR)             | 79 183 364  | 28.5                | -2.1                |  |  |  |
| 5           | 16            | 5  | TOKYO, JAPAN (HND)           | 78 719 302  | 55.1                | -7.9                |  |  |  |
| 6           | 3             | 16 | DENVER, USA (DEN)            | 77 837 917  | 12.3                | 12.8                |  |  |  |
| 7           | 7             | 28 | ISTANBUL, TURKEY (IST)       | 76 027 321  | 18.3                | 45.7                |  |  |  |
| 8           | 6             | 3  | LOS ANGELES, USA (LAX)       | 75 050 875  | 13.8                | -14.8               |  |  |  |
| 9           | 4             | 6  | CHICAGO, USA (ORD)           | 73 894 226  | 8.1                 | -12.7               |  |  |  |
| 10          | 9             | 17 | NEW DELHI, INDIA (DEL)       | 72 214 841  | 21.4                | 5.4                 |  |  |  |

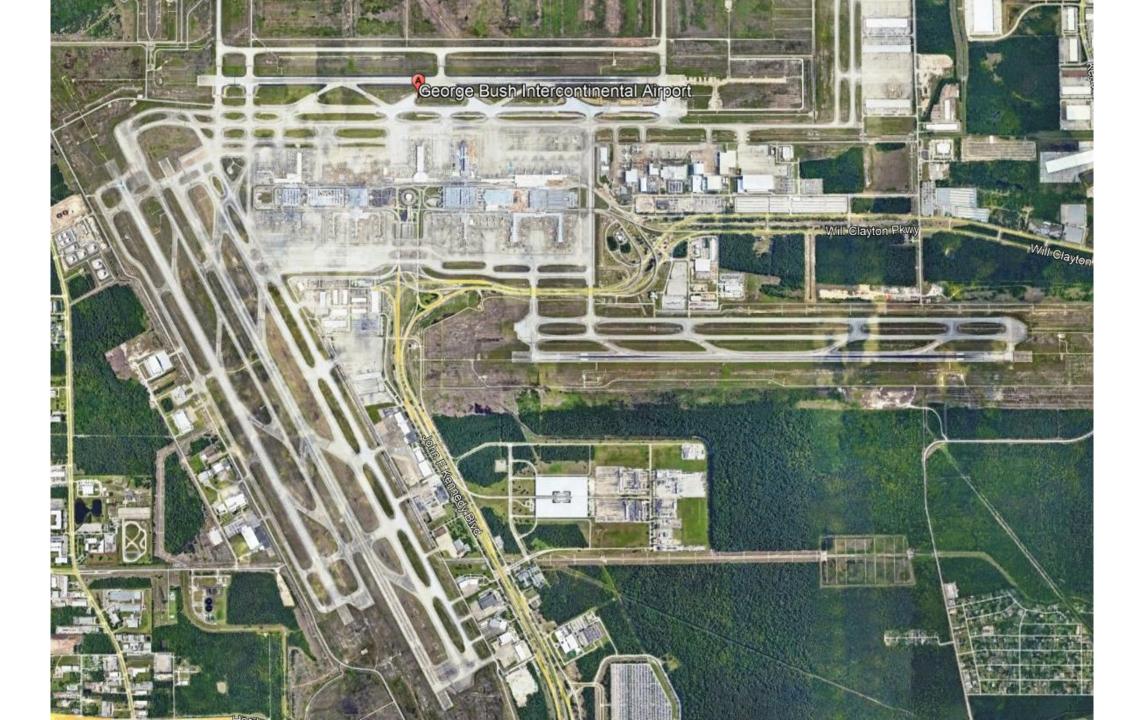
# RIC SAFE

**Local Incidents & News** 











## Timeline

- Ops 32 witnessed UAL 2477 excursion from pavement
- Crash phone rang down for ARFF
- Alert II initially classified at 0802
- Upgraded to Alert III at 0808
- NTSB notified at 0815
- Downgraded to Alert I at 0823, EOC activated
- FAA certification inspector notified 0830



#### Timeline

- All passengers deplaned via airstairs by 0918
- NOTAM issued for 9/27 and south complex closure at 0930, end date of 2 weeks based off previous runway excursion during wet conditions
- United received permission from NTSB to off load baggage at 1022, off loading complete at 1202
- Aircraft defueling completed at 1430
- Incident Command Vehicle staged on site 1500
- EOC deactivated at 1532, coordination call (virtual EOC) set for Noon Saturday
- Notified NTSB, Boeing, and UAL representatives will be on location 3/9/24 @ 0730

# Mitigation by HAS

- Due to location near roadway for traffic inbound to the terminal complex,
   maintenance put screens along fence to prevent rubbernecking and accidents
- Electrical removed 7 edge lights and a Mandatory Hold Short sign to prevent damage while recovery crews worked on aircraft removal
- Electrical vault physically secured for safety reasons
- Maintained security of area at the request of FBI

# NTSB Investigation

- HAS provided our EOC and other office space for interviews
- HAS provide the ICV for comfort/office space on scene
- HAS provided shuttle buses for NTSB and company to/from accident site
- Portable toilet and wash station was provided on scene
- Multiple escorts completed for UAL, NTSB, and other parties

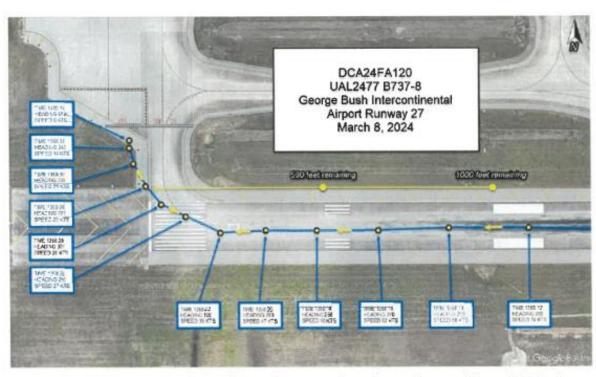


## **Timeline Continued**

- Due to weather and closed runway Saturday 3/9 IAH arrival rate dropped to 32, sever impact to normal operations
- NTSB released scene Saturday at 1428, UAL began recovery of aircraft
- With the scene released and the entire south complex closed, HAS conducted scheduled maintenance on closed portions.
- Light plants were provided on site for aircraft recovery at 1730
- At 1800 briefing from NTSB, it was mentioned there was a HAZMAT spill on site, environmental contacted to inspect for remediation.
- Sunday, 3/10/24, at 2250 relocation of disabled aircraft began from site to UAL hangar
- Monday, 3/11/24, at 0007 relocation complete

#### **Timeline Continued**

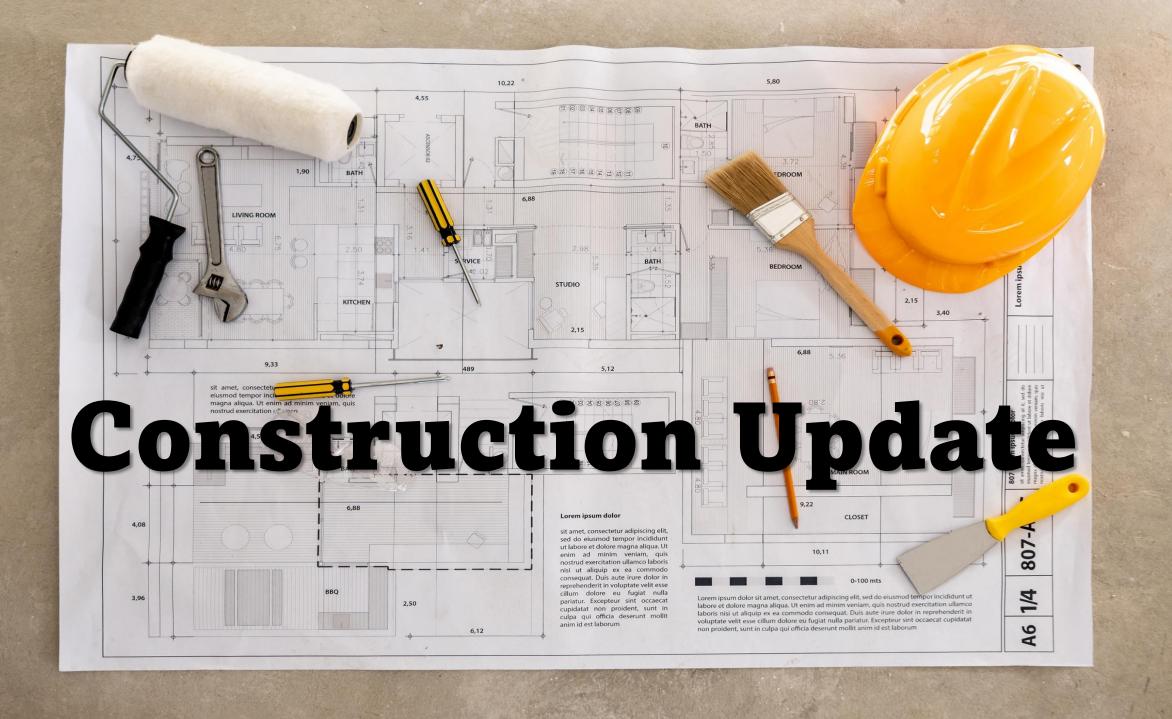
- Monday, 3/11/24, HAZMAT remediation of soil conducted between 1000-1400 after utility locates
- Began removal of equipment, to prepare for re-opening
- Alert I terminated Monday at 1958, after clean-up complete
- RWY 9/27 re-opened Tuesday 3/12/24 at 0440



**Figure 4**. Accident airplane's landing rollout time, heading and speed from ADS-B data overlayed on a Google Earth image of runway 27 and taxiway SC at IAH. Yellow arrows indicate direction of travel.











# FOD Day 2024

RIC's Foreign Object Debris Prevention and Awareness Day

Join Team RIC for the annual FOD Day event on Thursday, April 25th.

FOD Day is highlighted by a FOD Walk that will start at 09:30 that includes a scavenger hunt for prizes and hot dog cookout afterwards.

Help clean-up RIC and promote FOD prevention and awareness!





# **MAY 2024**

| SUN | MON | TUE | WED               | THU | FRI | SAT |
|-----|-----|-----|-------------------|-----|-----|-----|
| 28  | 29  | 30  | 1                 | 2   | 3   | 4   |
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