# Aurora State Airport (UAO)

## Airport User and Visitor Safety Training

V. 1    12/23/2025    ☎ **(503)378-4880**    📍 **3040 25TH STREET, SALEM, OR 97302**    🌐 **WWW.OREGON.GOV/AVIATION**    f ⃝ 🄾 🐦 **ORAVIATION**

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# Non-Movement Area Training Content

➔ Introduction / Goals of training program
➔ Understanding Hazards and Incidents on Airports
  ➔ What is a Runway Incursion and Surface Incident
  ➔ What is a Vehicle / Pedestrian Deviation (V/PD)
  ➔ Who is Responsible?
➔ Understanding the Aurora State Airport (UAO)
  ➔ State / Public-Use Area
  ➔ Protected Area and Markings
  ➔ Movement & Non-Movement Areas and Markings
  ➔ Other Markings, Signs, & Lighting
  ➔ Situational Awareness & Best Practices
  ➔ Construction, Maintenance, and Other Hazards
➔ Security & Access Control
➔ Rules & Violations
➔ Review & Acknowledgement

# Introduction / Goals

**Airports are unique environments that require an understanding of hazards and best practices, as well as heightened situational awareness to ensure a safe operating environment for yourself and others.**


STOP VPD's

- ✈ Goals for this training
  - ✈ Understand Airport Hazards
  - ✈ Understand where you may or may not go at the airport
  - ✈ Understand how to prevent Runway Incursions and Surface Incidents (V/PDs)
  - ✈ Maintain a safe operating environment at the airport

- ✈ Understanding your role
  - ✈ Read all of the information in this training carefully
  - ✈ **Everyone is responsible** for making sure they are following these guidelines and maintaining safety

- ✈ After completing this training, you should be able to:
  - ✈ Identify areas to avoid at the airport
  - ✈ Know basic safety principles on airfields
  - ✈ Operate safely at the Aurora State Airport

# Understanding hazards and incidents on airports

→ Airports use unique markings and signage not found anywhere else. The information presented here will help you understand how to safely operate at the Aurora State Airport

→ It is critical that people stay out of controlled movement areas intended only for aircraft.

→ Guests, pets, delivery drivers all must be escorted and kept out of controlled movement areas.

→ Aircraft always have the right of way at any location on the airfield

→ Other hazards include jet blast, prop or rotor wash, Foreign Object Debris (FOD), fuel spills, wildlife, construction equipment or area closures, and inclement weather. Each create unusual conditions which present unique hazards and require extra caution

# Understanding hazards and incidents on airports

✈ Runway Incursions and Surface Incidents

- What is a Runway Incursion?
  - "Any occurrence at an aerodrome involving the incorrect presence of an aircraft, vehicle, or person on the **protected area** of a surface designated for the landing and take off of aircraft."

    -FAA, Runway Safety

# Understanding hazards and incidents on airports

✈ Runway Incursions and Surface Incidents

- A Runway Incursion occurs when:
  - Any person, vehicle, or aircraft enters the **Protected Area** of the runway without clearance
    - This means crossing the Mandatory Holding Position Marking
    - This includes crossing the extended Mandatory Holding Position marking through the fields **(example in future slides)**

# Understanding hazards and incidents on airports

✈ Runway Incursions and Surface Incidents

- We already learned what a Runway Incursion is:
  - "Any occurrence at an aerodrome involving the incorrect presence of an aircraft, vehicle, or person on the <u>protected area</u> of a surface designated for the landing and take off of aircraft."

- What is a Surface Incident?
  - Unauthorized movement within the designated <u>movement area</u> (excluding runway incursions) *or* an occurrence in the same area associated with the operation of an aircraft that affects or could affect the safety of flight.

    <u>-FAA, Runway Safety</u>

# Understanding hazards and incidents on airports

✈ Vehicle and Pedestrian Deviations (V/PDs)

  ✈ Any entry or movement on the Movement Area by a vehicle (including aircraft operated by non-pilots) or pedestrian that has *not* been authorized by air traffic control tower.

  -FAA, Runway Safety

# Understanding hazards and incidents on airports

➔ Vehicle and Pedestrian Deviations (V/PDs)

    ➔ A V/PD is a form of Surface Incident

➔ V/PDs occur when:

- Any person walks or drives over the <u>Non-Movement line</u> without authorization and clearance
- A person crosses the extended <u>Non-Movement line</u> through a field
- A tug, fuel truck, or any person crosses the <u>Non-Movement line</u> without clearance to get around an aircraft or take a short-cut to their hangar
- A mechanic taxis an aircraft into the <u>Movement Area</u> for a run-up without clearance
- A good samaritan at the airport walks or drives to a disabled aircraft on the taxiway or runway

# Understanding hazards and incidents on airports

→ Vehicle and Pedestrian Deviations (V/PDs)

  → V/PD occurs when (continued):

  - An enthusiast crosses the <u>Non-Movement line</u> trying to get a better view of aircraft landing
  - A member of the public crosses the <u>Non-Movement line</u> because they're unfamiliar with the airport
  - A delivery driver or guest walks or drives over the <u>Non-Movement line</u> because they are unfamiliar with the airport

# Understanding hazards and incidents on airports

✈ Who is responsible?  EVERYONE!

- ✈ It is **everyone's responsibility** to understand where they can and can't go, and operate safely at UAO
- ✈ Be familiar with the information in this training. Use best practices to prevent runway incursions and surface incidents including V/PD's. Use most direct routes and stay outside of the controlled Movement Area. Escort guests and control pets, and deliveries to prevent V/PDs.
- ✈ Help maintain a safe airport environment.
  - ✈ Use best practices to prevent unauthorized access (piggy backing)
  - ✈ Use the most direct route (outside movement area) to or from your destination
  - ✈ Educate/escort guests
  - ✈ Help mitigate risk by reporting other hazards such as fuel spills, wildlife, suspicious activity, or other security concerns
  - ✈ Prevent FOD hazards by picking up loose items and secure all personal belongings.
- ✈ **Remain outside** of the controlled Movement Area

# Understanding the Aurora State Airport

→ OR Department of Aviation (State) Property  ---------→

→ Public-Use Areas  ▢ Public-Use Gates ★ ★
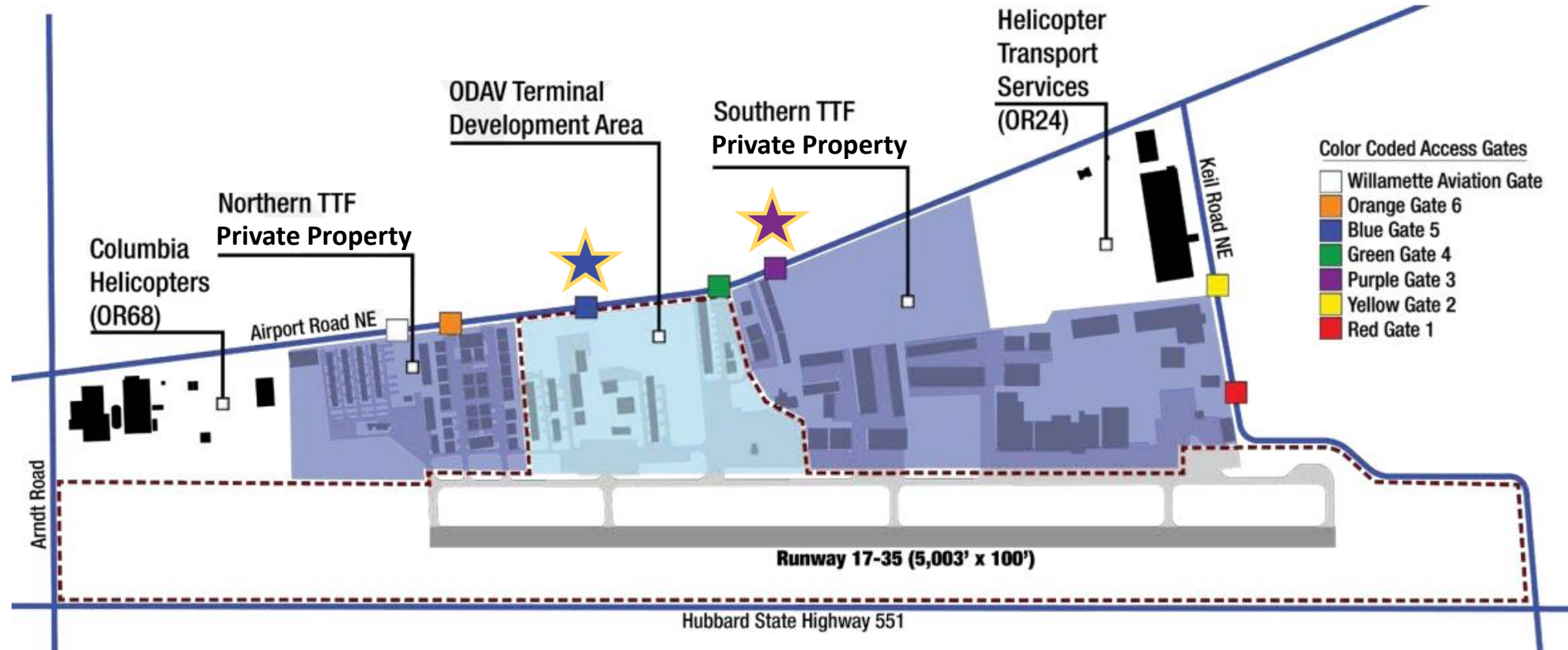


→ Private Property  ▢

# Understanding the Aurora State Airport
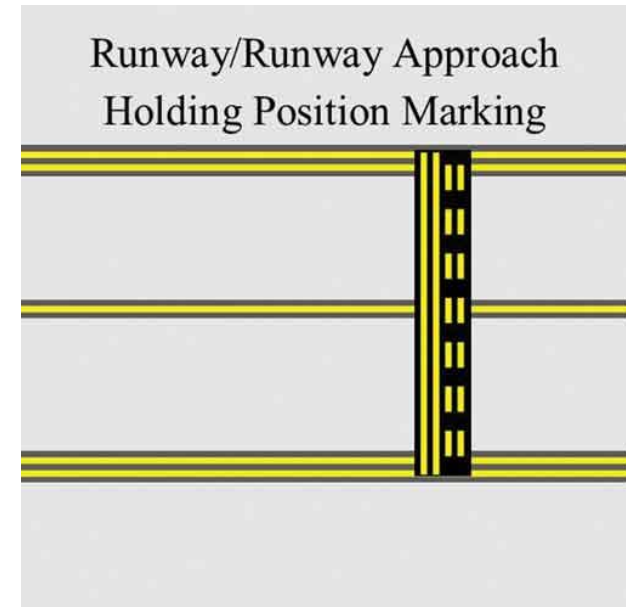
✈ Protected Area



**A Runway Incursion is:**
    "Any occurrence at an aerodrome involving the incorrect presence of an aircraft, vehicle, or person on the <u>protected area</u> of a surface designated for the landing and takeoff of aircraft."

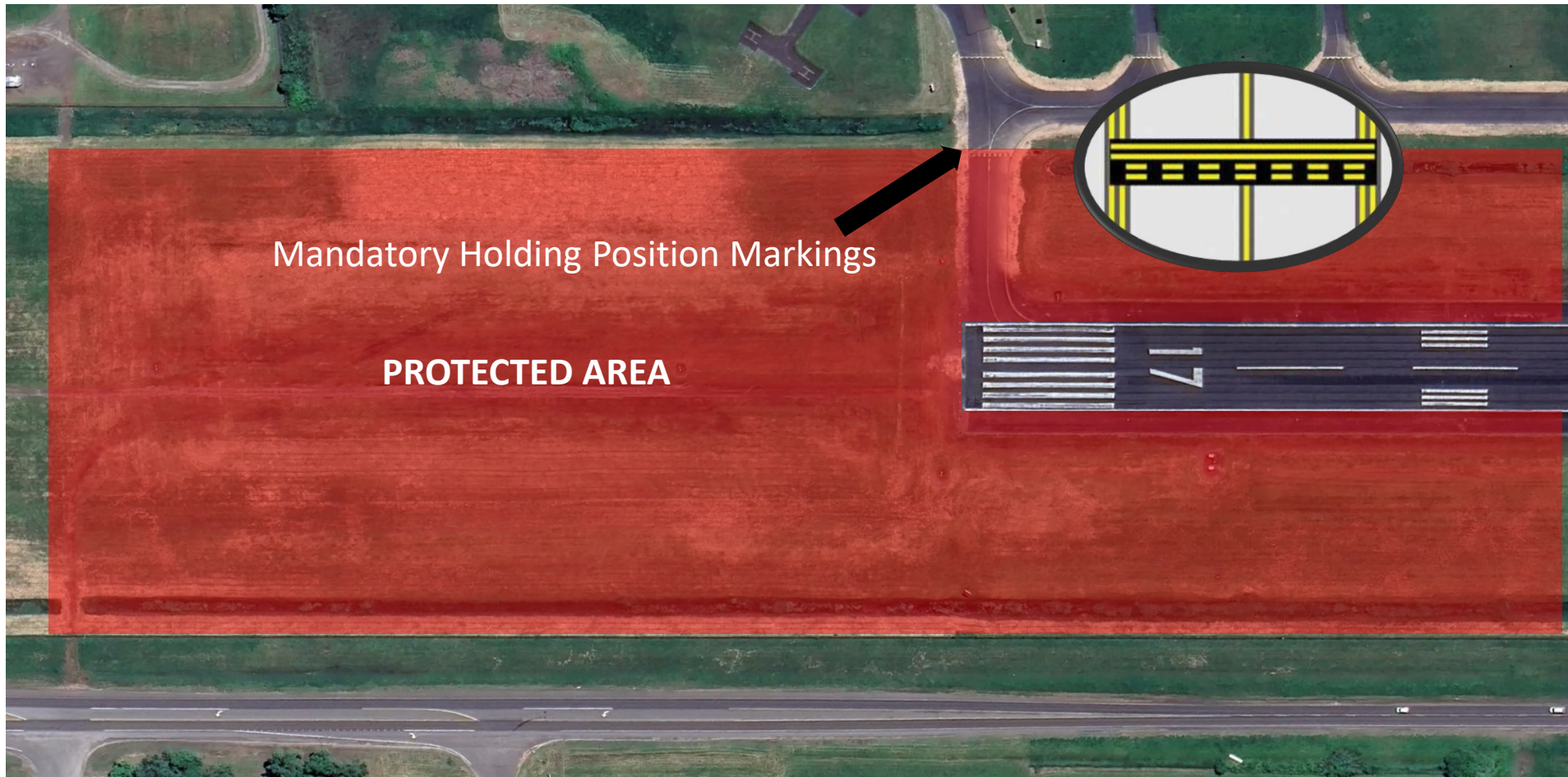# Understanding the Aurora State Airport

✈ Protected Area Markings

Mandatory Holding Position Markings
- Protect the Runway Safety Area
- The marking is identified by 2 solid yellow stripes and 2 dashed yellow stripes
- The solid stripes represent a barrier.  It is **your responsibility** to recognize this marking and not enter the Protected Area of the Runway
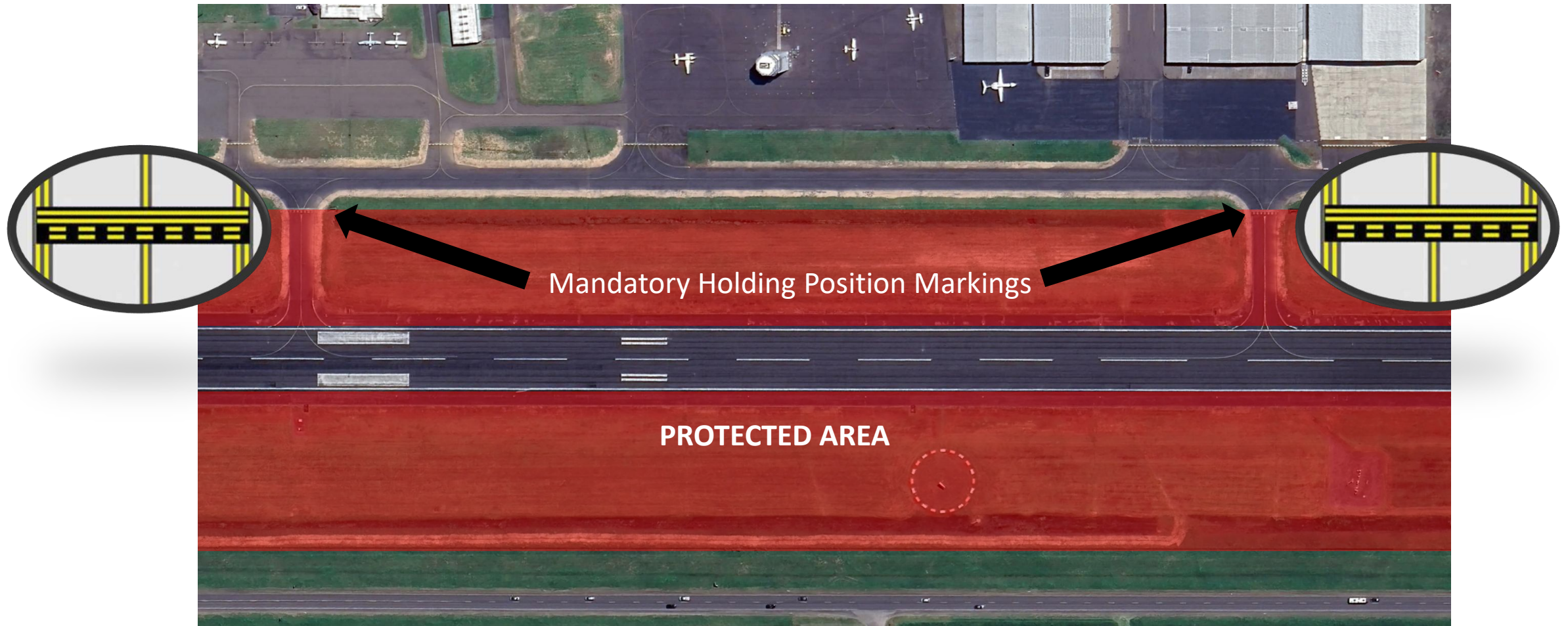- Be aware of aircraft that may be exiting these areas and give way to aircraft at all times





Runway/Runway Approach Holding Position Marking

# Understanding the Aurora State Airport

✈ Protected Area ⬛ Extends through the fields and may not be visually apparent



Mandatory Holding Position Markings

PROTECTED AREA

# Understanding the Aurora State Airport

✈ Protected Area   <span style="background-color:red">     </span>   Extends through the fields and may not be visually apparent
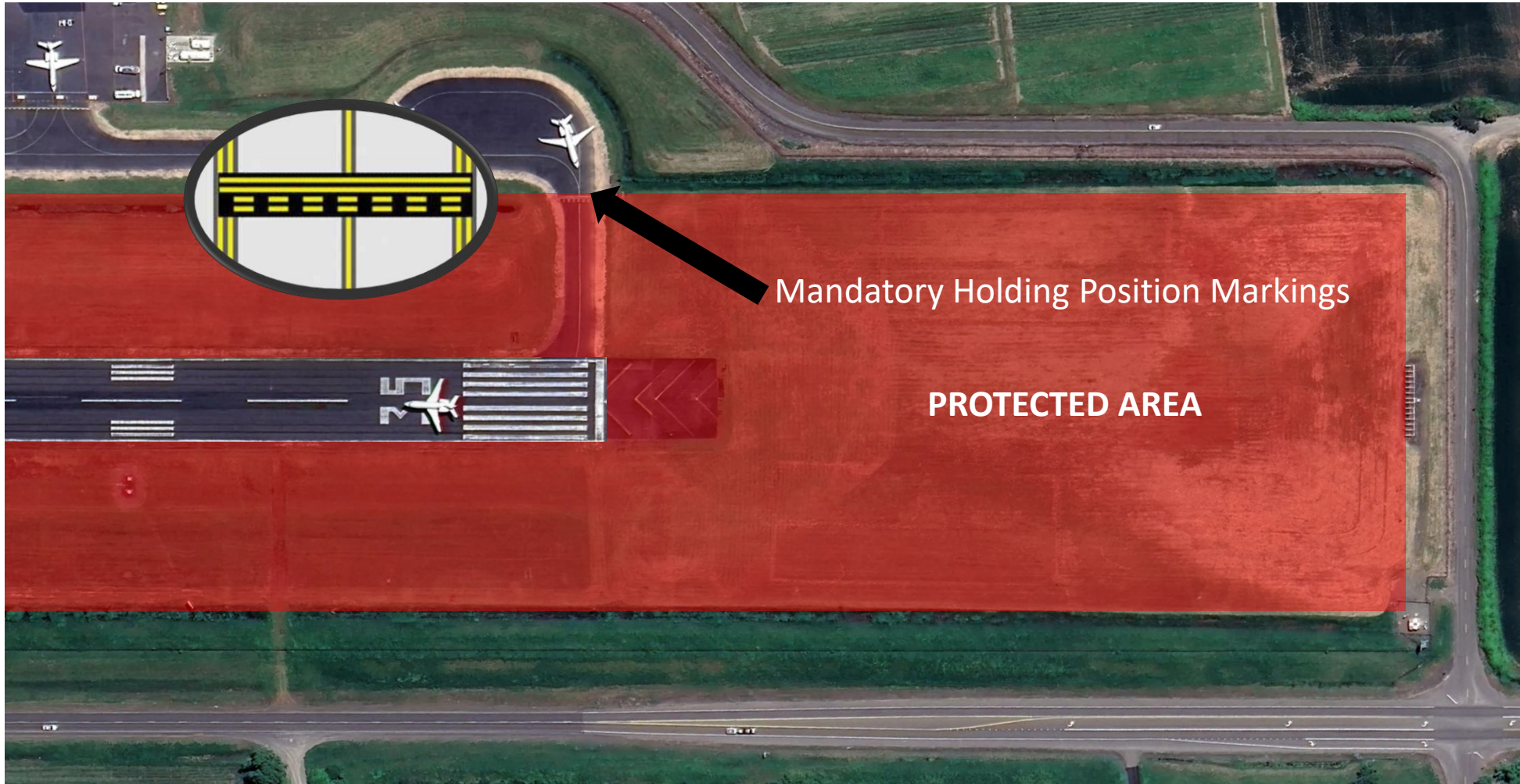


Mandatory Holding Position Markings

PROTECTED AREA

# Understanding the Aurora State Airport

✈ Protected Area █████ Extends through the fields and may not be visually apparent

Mandatory Holding Position Markings

PROTECTED AREA

# Understanding the Aurora State Airport

→ Movement and Non-Movement Areas

→ Movement Area ▮▮▮▮ (Access is controlled, only authorized personnel may enter)



MOVEMENT AREA

# Understanding the Aurora State Airport

✈ Movement and Non-Movement Areas

✈ Movement Area ▮ (Access is controlled, only authorized personnel may enter)

✈ Protected Area ▮ (Access is controlled, only authorized personnel may enter)
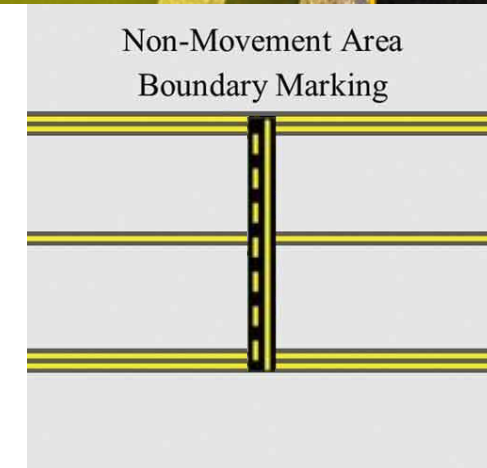


MOVEMENT AREA

PROTECTED AREA

Note – The Movement Area includes the Protected Area for the runway

# Understanding the Aurora State Airport

✈ Movement Area Markings

Non-Movement Area Boundary Markings
- Protect the controlled <u>Movement Area</u>
- The marking is identified by 1 solid yellow stripes and 1 dashed yellow stripes
- The solid stripe represents a barrier. It is **your responsibility** to recognize this marking and not enter the controlled <u>Movement Area</u>.
- Be aware of aircraft that may be exiting these areas and give way to aircraft at all times



Movement Area



Non-Movement Area Boundary Marking

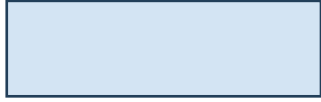# Understanding the Aurora State Airport

→ Movement and Non-Movement Areas
  → The controlled Movement Area requires authorization and clearance for entry
  → You must remain out of the controlled Movement Area



Non-Movement Area Boundary Markings

MOVEMENT AREA

Mandatory Holding Position Markings

PROTECTED AREA
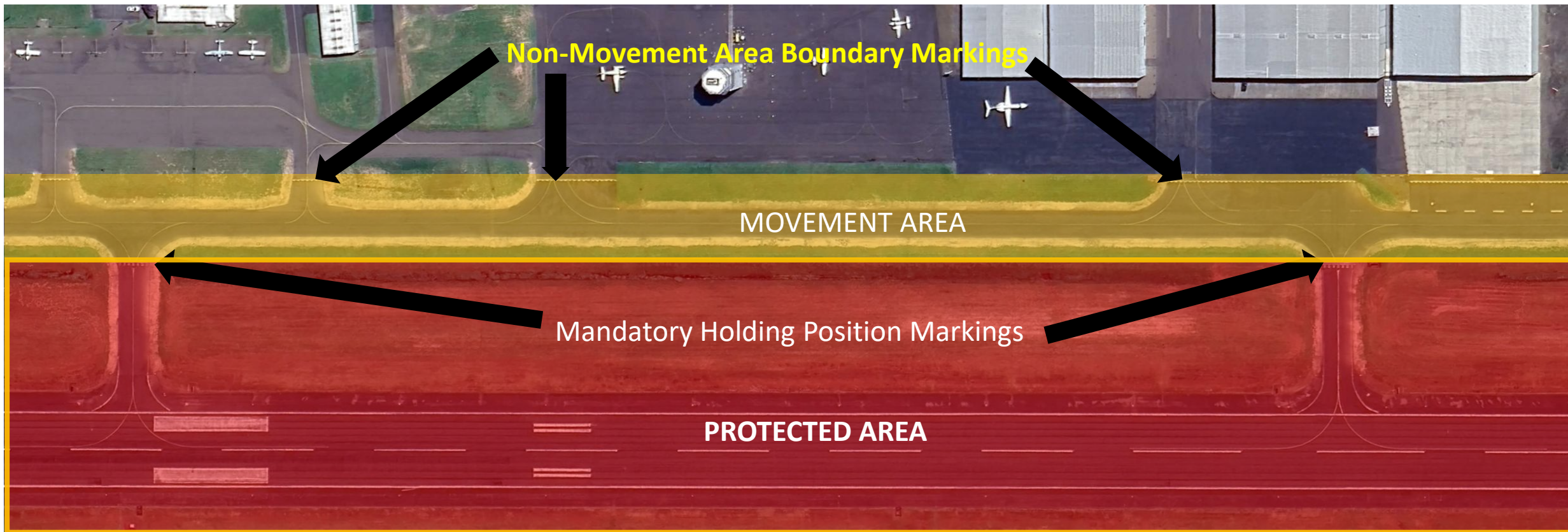
# Understanding the Aurora State Airport

✈ Non-Movement Areas

Public-Use Gates ⭐ ⭐

Traveling within the Non-Movement Area is allowed. You must stay vigilant of your surroundings while navigating to and from your destination within the airport and use the most direct route



**Non-Movement Area**

MOVEMENT AREA

**PROTECTED AREA**

While in the Non-Movement Area, everyone needs to use precaution to remain outside of the controlled Movement Area, give way to aircraft, and use the most direct route to and from their destination.

# Understanding the Aurora State Airport
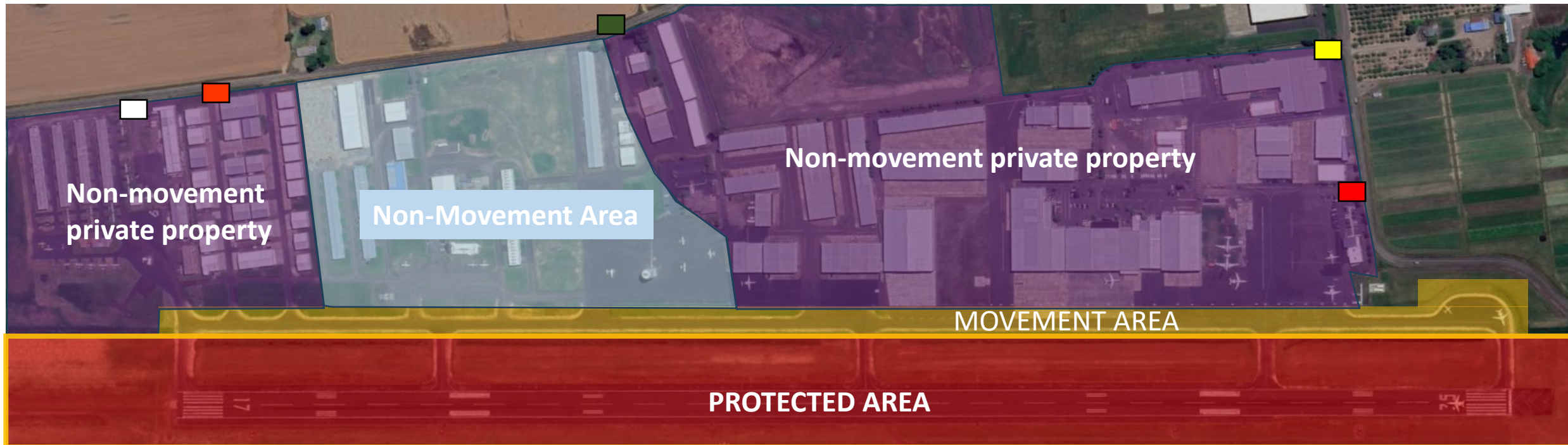
✈ Non-Movement Areas

| State Property | Private Property |

**Private Propety Gates**

☐ Willamette Aviation Gate
🟧 Orange Gate
🟩 Green Gate
🟨 Yellow Gate
🟥 Red Gate

Access to some properties is restricted from certain areas. Use the correct gates and most direct routes from Airport Road and Keil Road. Permission from the property owner is required for entry. Do not assume entry is automatically permitted—always confirm explicit permission before accessing any private property.



**Non-movement private property**

**Non-movement private property**

**Non-Movement Area**

MOVEMENT AREA

**PROTECTED AREA**

Under no circumstance should anyone enter the controlled movement area to bypass fences, gates, parked aircraft, or taking shortcuts

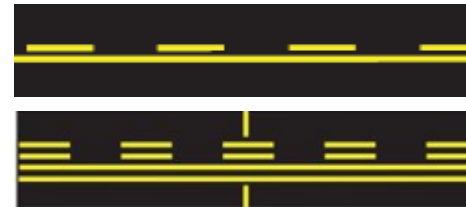# Understanding the Aurora State Airport

→ Other Airport Markings

→ Taxiway / Apron Markings

- → All taxiway and apron markings are yellow, to help identify that the viewer is on or approaching a taxiway or apron
- → When you see these markings you should use caution for aircraft and give way
- → There are many types of taxiway markings, each with their own meaning (shown bottom right)
  - a. Taxiway Centerline Markings
  - b. Taxiway Edge Markings

a. It is your responsibility to recognize the markings protecting the Movement Area and Protected Area for the runway and prevent Runway Incursions and Surface Incidents

- a. Non-Movement Area Boundary Marking
- b. Mandatory Hold Position Markings

→ **There are few dedicated vehicle lanes, with most surfaces prioritized for aircraft movement.**
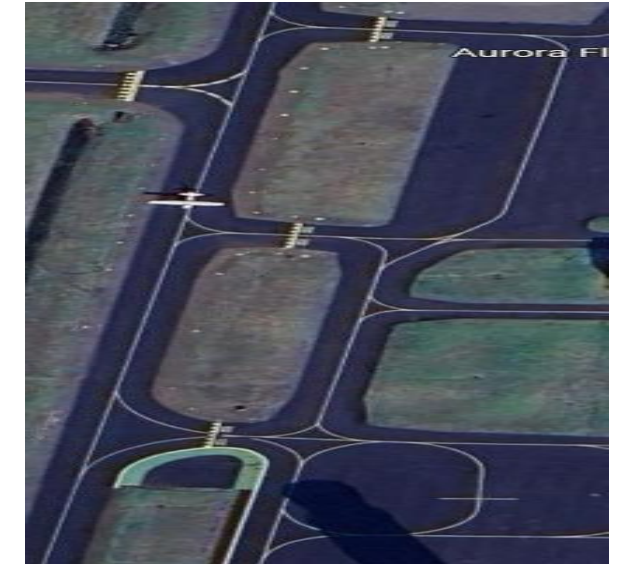

Continuous Taxiway Edge Marking

Taxiway Centerline Marking

Dashed Taxiway Edge Marking

# Understanding the Aurora State Airport

✈ Airport Signage



**There are various types of signs, each serving a specific purpose. It's your responsibility to stay alert and recognize these signs/markings to ensure you remain outside the <u>Movement Area</u>**
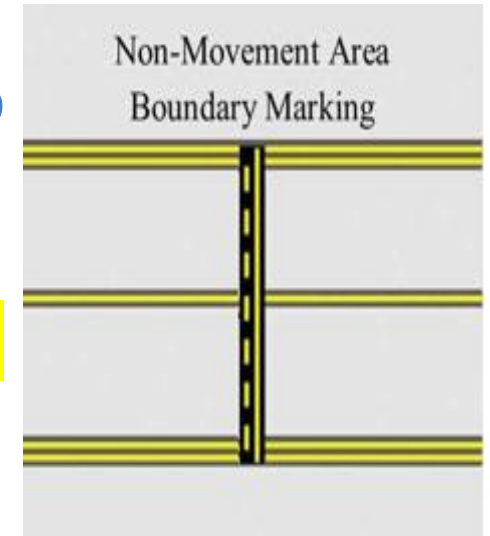
# Understanding the Aurora State Airport

✈ Airport Signage



**There are various types of signs, each serving a specific purpose. It's your responsibility to stay alert and recognize these signs/markings to ensure you remain outside the Movement Area**

# Understanding the Aurora State Airport

➤ An Airport Taxiway Lights and reflectors indicate you are near the Movement Area. Exercise extra caution to avoid entering the Movement Area.

➤ Do not cross Non-movement Area Boundary Marking **(yellow solid marking with yellow dash marking)**

➤ You're getting too close to taxiway, turn back


Non-Movement Area
Boundary Marking

# Understanding the Aurora State Airport

✈ Taxiway and Runway Signage and Lighting

**These signs are strictly placed within the Protected and Movement Areas. Please do not proceed. Exit the movement area safely and directly as possible. This is a designated area that must be avoided.**

I.  You're approaching or have crossed the non-movement line

II. You're approaching Runway Safety Area

III. You don't have authorization to enter these areas

# Understanding the Aurora State Airport

✈ Situational Awareness & Best Practices

- ✈ Look for aircraft
- ✈ Always give way to aircraft on all surfaces
- ✈ Slightly lowering your vehicle windows helps you hear aircraft between hangars
- ✈ If an aircraft parked on the ramp has its engine(s) running, look for wheel chocks and/or lights to indicate if the aircraft is about to move. Beacon on is a reliable indication that aircraft is about to taxi
- ✈ Jet engines may be difficult to tell if their engines are running, especially when the Auxiliary Power Unit (APU) is running

# Understanding the Aurora State Airport

✈ Situational Awareness & Best Practices (continued)



✈ Use of headlights and flashers is advised while on the airfield

✈ Some aircraft have limited visibility, and may not be using a radio in the non-movement area

✈ Use caution for helicopters arriving or departing directly from aprons or taxi-lanes

✈ You must remain vigilant and watch for aircraft

✈ Aircraft always have the **RIGHT OF WAY**

# Understanding the Aurora State Airport

→ Situational Awareness & Best Practices (continued)

- → Use caution for Jet Blast, Prop and Rotor Wash
- → Foreign Object Debris (FOD) may become projectiles and cause damage to property, serious injury or death
  - → Types of FOD; Gravel, Screws, Rocks, Tools, Aircraft Parts, etc…
- → Maintain a safe distance from running aircraft
- → Anticipate aircraft turning or sudden throttle increase
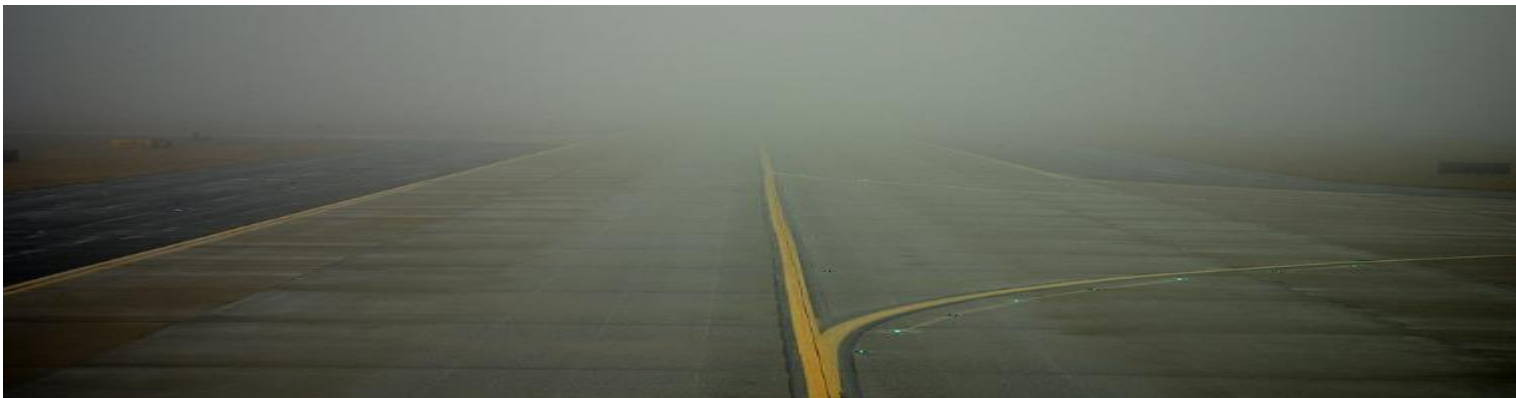
# Understanding the Aurora State Airport

→ Airport Construction and Maintenance
  → Some areas may occasionally be closed for maintenance, snow removal or construction
  → Surface closures for maintenance or construction may change frequently, use caution for constantly changing conditions
  → Remain outside of the barricaded construction areas and other closed surfaces.
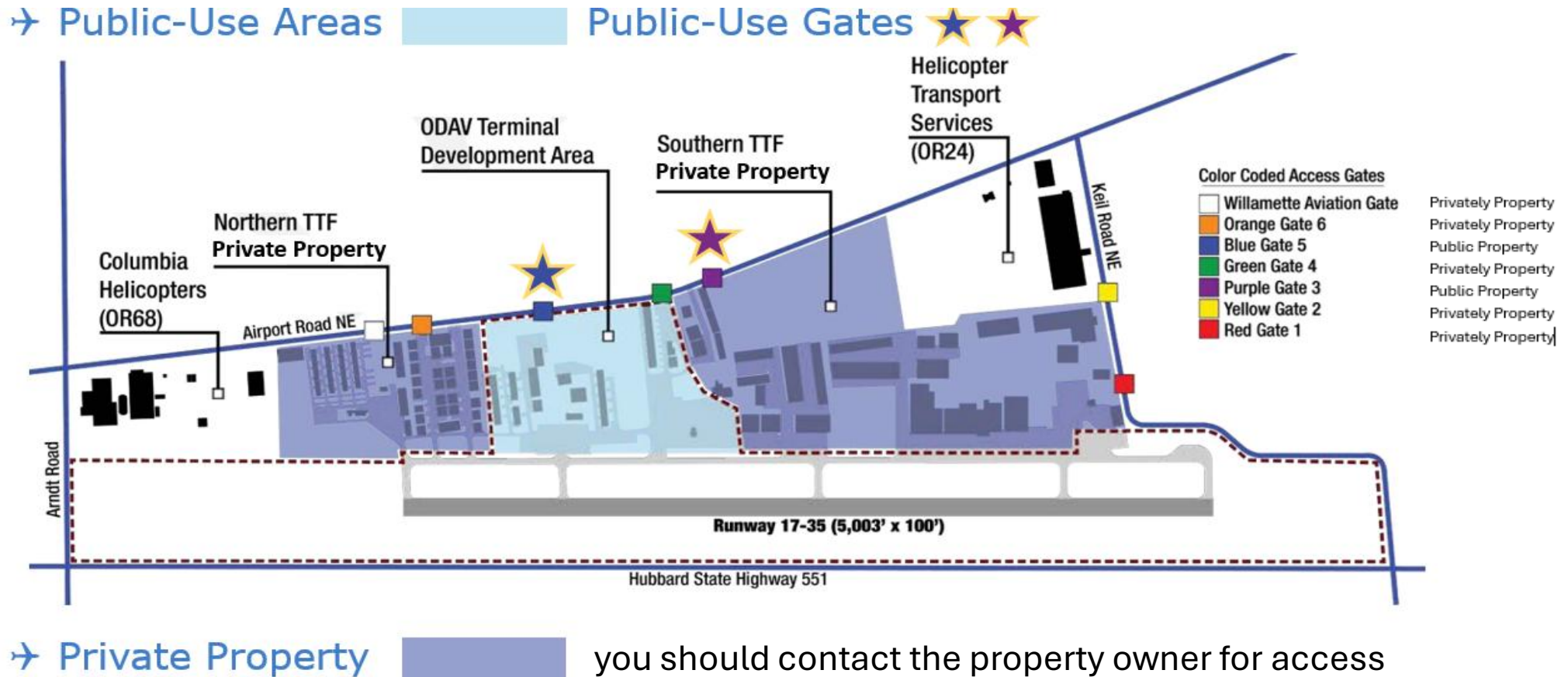
# Understanding the Aurora State Airport

➤ Other Hazards
  ➤ Use Caution for other vehicles or equipment on aprons and taxi-lanes
  ➤ Report / Clean any chemical spills you find
  ➤ Do not drive off pavement as this may cause ruts and gravel hazards
  ➤ Weather, low visibility, winter conditions can cause loss of separation, increasing risk of wing-tip strikes or other accidents

# Understanding the Aurora State Airport

✈ Security and Access Control

# Understanding the Aurora State Airport

✈ Security and Access Control

**One Vehicle at a Time:** Only one vehicle is permitted through the gate at a time. NO PIGGYBACKING.

**Responsibility:** If you provide access to anyone you are responsible for their action

**Escort Responsibility:** You're responsible for escorting your guests to make sure they remain outside of the controlled <u>Movement Area</u> and give way to aircraft until they leave the airport

**Non-Movement Line:** Ensure anyone you allow through the gate is aware not to cross the <u>non-movement line.</u>

**"Please provide clear instructions for deliveries to contact the recipient for access or an escort."**

# Understanding the Aurora State Airport

✈ Rules and Violations

I. Oregon Department of Aviation Administrative Rule OAR 738; Aurora State Airport Division 50;

738-050-0090
Miscellaneous

(1) Motor vehicles shall not be operated on the runway or parallel taxiway without specific prior authorization by the Director of the Department.

(2) All users of the airport are requested to report any observed act by any person which is considered to be unsafe or a violation of these rules.
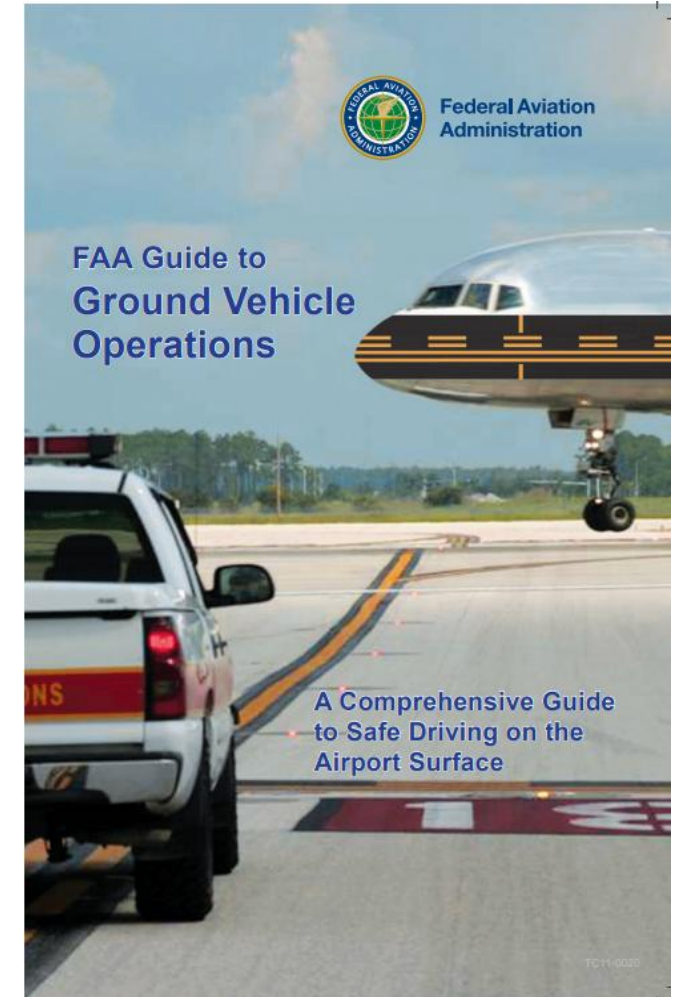
# Understanding the Aurora State Airport

✈ Rules and Violations (continued)

I. Oregon Department of Aviation Administrative Rule OAR 738; Aurora State Airport Division 50;

II. Oregon Department of Aviation contractual agreements, such as Through The Fence (TTF) and Land-use Agreements
   I. Refer to your lease or TTF Access Agreement

III. Federal Aviation Administration; Airport  Improvement Program
    (AIP); Grant Assurance 19; ORDER 5200.10

# Understanding the Aurora State Airport

✈ Additional Resources:

I. Great resource is the [FAA guide to ground vehicle operation](#)

II. FAA AC 150/5210-20A Ground Vehicle Operations

III. Youtube Videos:
   I. [Airport Driver Operations](#)
   II. [Movement & Non Movement Areas](#)
   III. [Unnafilliated Non-Movement Driver Training](#)

# Understanding the Aurora State Airport

✈ Review and Acknowledgement

**All Tenants, Vendors, TTF Access PERMITTEEs, Users, and Guests of Aurora State Airport (UAO):**

Ensuring the safety and security of Aurora State Airport is of utmost importance. It is the shared responsibility of everyone to operate the airport in a safe and compliant manner.

If you provide access to the airport, please ensure that anyone you grant entry is escorted and fully aware of the importance of **not crossing the non-movement line**. This is critical for maintaining the safety and operational integrity of the airport.

When transitioning from public property to private property, please use the most direct routes, and the correct gates from **Airport Road** and **Keil Road**.

Always be aware of your location and carefully observe the signs and markings in your area. Do not enter the Non-Movement Area and avoid crossing the Non-Movement Area Boundary Marking

DO NOT CROSS THE Non-Movement LINE

AIRCRAFT HAVE THE RIGHT OF WAY