



**Valkaria Airport Master Plan Update
Public Information Meeting**

**March 26, 2015
Viera Government Center**

Valkaria Airport 2015 Master Plan Update

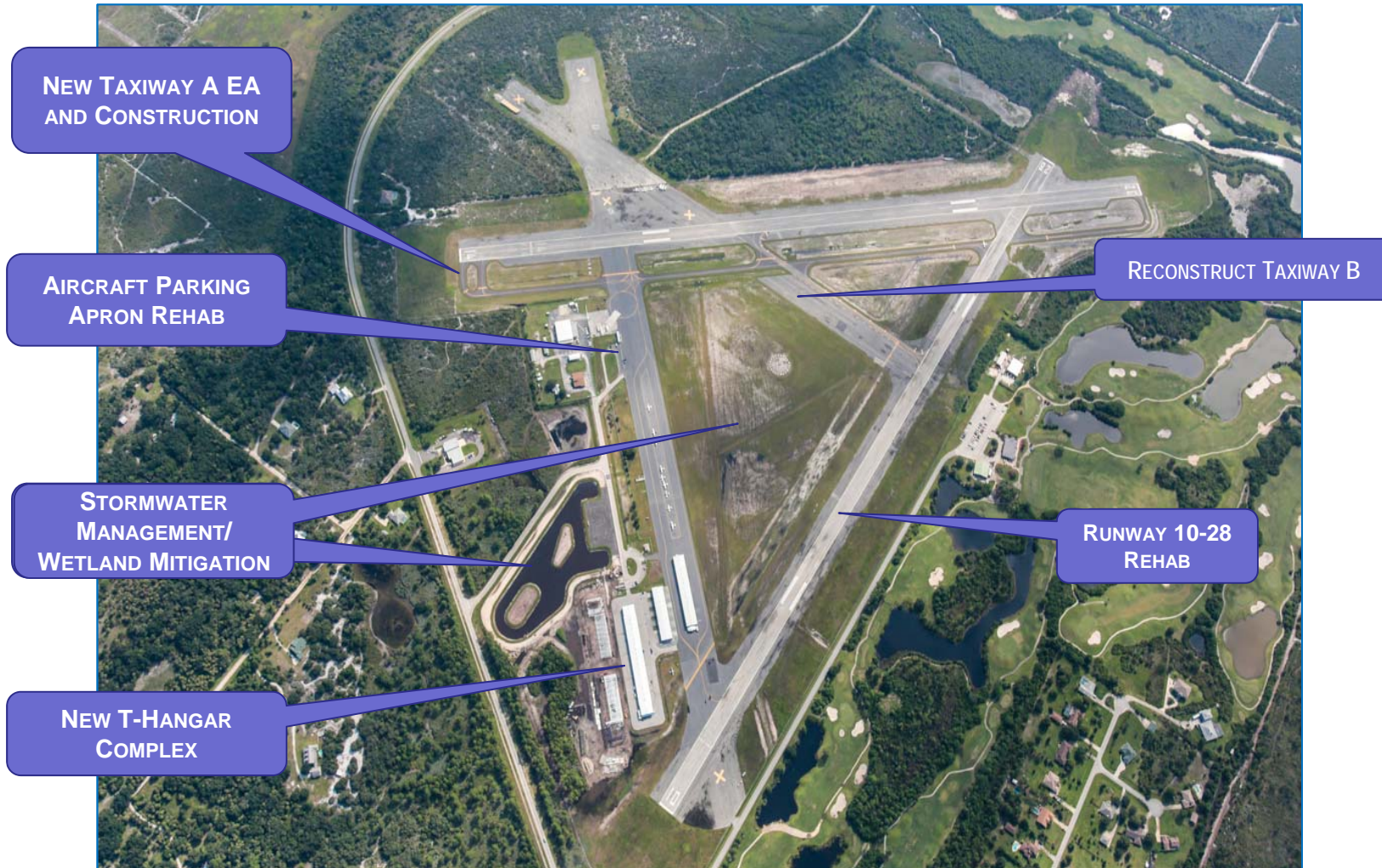


AGENDA

- 1. Welcome and Introductions**
- 2. 2006 Airport Master Plan Refresher**
- 3. 2015 Airport Master Plan Update – Public Meeting 1 Recap**
- 4. 2015 Airport Master Plan Update – Facility requirements, facility layouts and environmental review**

Valkaria Airport Master Plan Update

2006 Airport Master Plan Refresher



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2015 Airport Master Plan Update



Inventory of Existing Airfield Conditions

Existing Airfield Characteristics				
Runways	14	32	10	28
Dimension (ft.)	4,000' x 75'		4,000' x 60'	
	Primary		Secondary	
Surface	Asphalt		Asphalt	
Surface Condition	Fair to Poor		Excellent	
Pavement Strength	12,500 LBS. SW			
Runway Edge Lighting	None			
Threshold Lights	Both Runways			
NAVAIDS	Rotating Beacon and PAPI's			
Runway Marking	Basic		Basic	
Taxiways	4,000' x 25' Parallel TWY A		None	
Source: Airport Facility Directory, 2014; Airport Records; Master Record Form 5010; Hanson 2015				

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Existing Landside Facilities

- **Aircraft storage**
 - 5 T-Hangar strands & 4 box hangars
- **Rehabilitated aircraft parking apron & tie-downs**
 - 30 aircraft tie-downs
- **Beacon, segmented circle, CF windsock, PAPI, threshold lights**
- **Improved airfield drainage & addressed wildlife hazards**
- **Added Skyman Park**
- **Consolidated fuel farm**
 - 12,000 gals. 100LL
 - 5,000 gals. Jet-A



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Forecast of Aviation Demand (20-year planning period)

- **Operations = 64,865**
 - ✓ Itinerant = 16,865
 - ✓ Local = 48,000
- **Peak Hour Itinerant = 30**
 - ✓ Design Day Itinerant Parking = 33
- **Based Aircraft = 236**
- **Design Aircraft B-II**



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Forecast and Facility Requirements

- **Operations**
 - ✓ **Airfield:** Runway and taxiway system, additional navigational aids, and instrument approaches
 - ✓ **Landside Facilities:** Fuel, maintenance, flight planning and vehicle parking
- **Itinerant Operations**
 - ✓ **Landside Facilities:** Defined by pilots/passenger, aircraft parking, fueling, terminal facilities and vehicle parting
- **Based Aircraft**
 - ✓ **Landside Facilities** required for the storage and maintenance of aircraft

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Forecast and Facility Requirements (continued)

- **Design Aircraft**
 - ✓ Dictates airport design standards
 - Aircraft approach speed
 - Defines standards for the runways
 - Aircraft wingspan
 - Defines airfield and aviation landside separation design standards
 - Aircraft weight
 - Defines pavement strength requirements

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1. Required to conform to applicable FAA and FDOT standards
 - a 20-year planning “road-map”
2. Schedule – Major Milestones

	Start	Finish	Comments
Inventory & Forecasts	Oct-2014	Nov-2014	Agency Review Required
Demand/Capacity & Facility Requirements	Dec-2014	Feb-2015	Public Information Meeting
Alternatives/Environmental Review	Feb-2015	Mar-2015	Public Information Meeting
Draft Master Plan Update	Jan-2015	Apr-2015	BOCC Meeting

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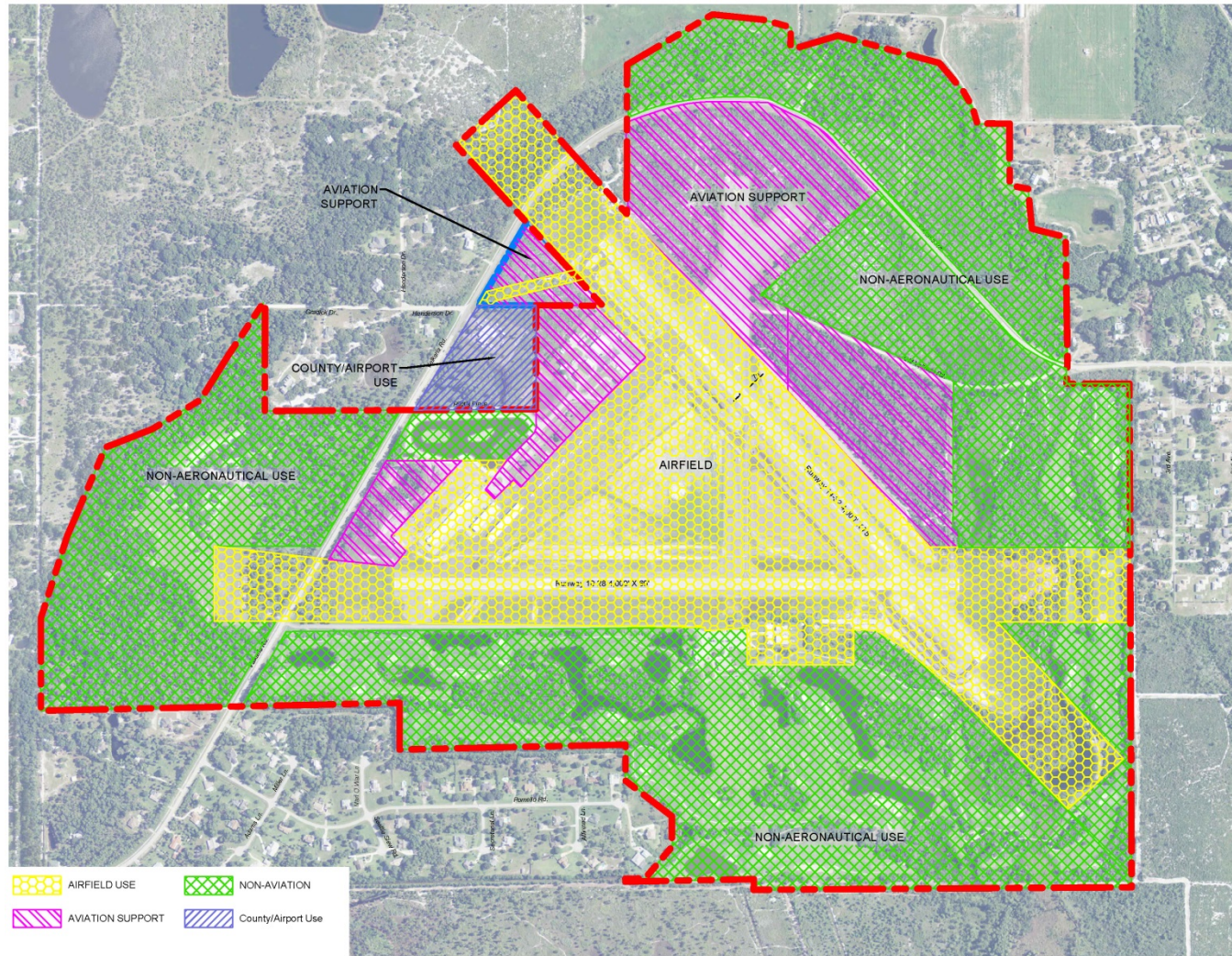


Airport Land Use

- **Airfield:** Runway taxiways, apron, approaches, navigational aids
- **Aviation Landside:** All facilities for aviation support
- **Non-Aviation Land Use:** Property available for development of compatible facilities and environmental management

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Airport Land Use

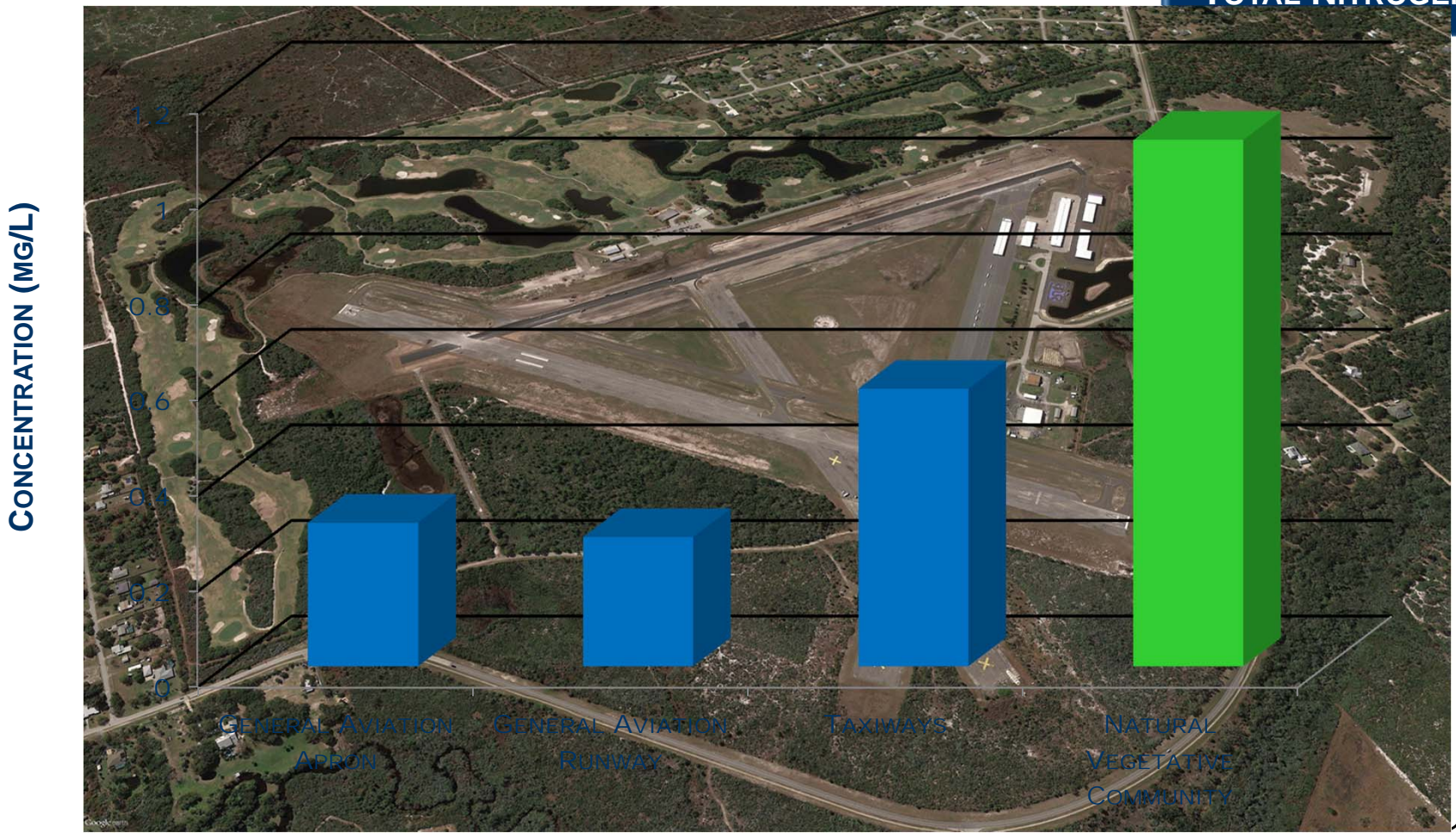
- **Environmental**
 - ✓ **Stormwater management**
 - **Water quality and control**
 - ✓ **Wetlands impacts**
 - ✓ **Wildlife impacts**

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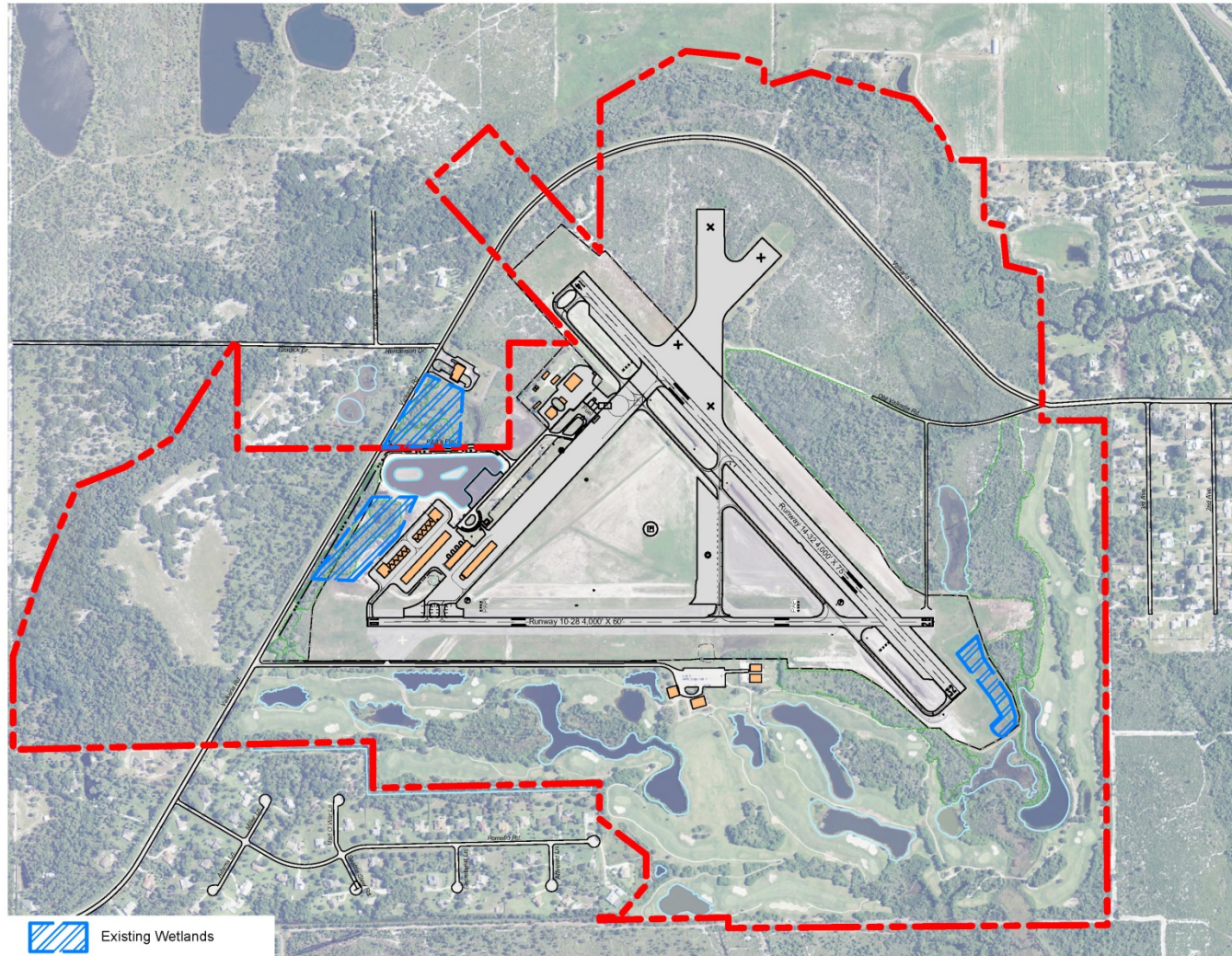


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Airfield Operations	2014	5 yrs.	10 yrs.	20 yrs.
	53,160	55,872	58,722	64,865

- Two runways are sufficient
- Taxiways to reduce Runway Occupancy Time
- Relocation of nav aids
- Non-Precision instrument approaches (GPS)
- Medium Intensity Edge Lights - Runway and Taxiways
- Fire station access

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20 Year Planning Period (Year 2034)

- **Itinerant Operations = 16,865**
 - ✓ Average Day = 178
 - ✓ Peak Day = 338
 - ✓ Itinerant Parking = 33
- **Landside aviation support facilities**
 - ✓ Highlights the need for a pilot/passenger service facility and airport administration offices

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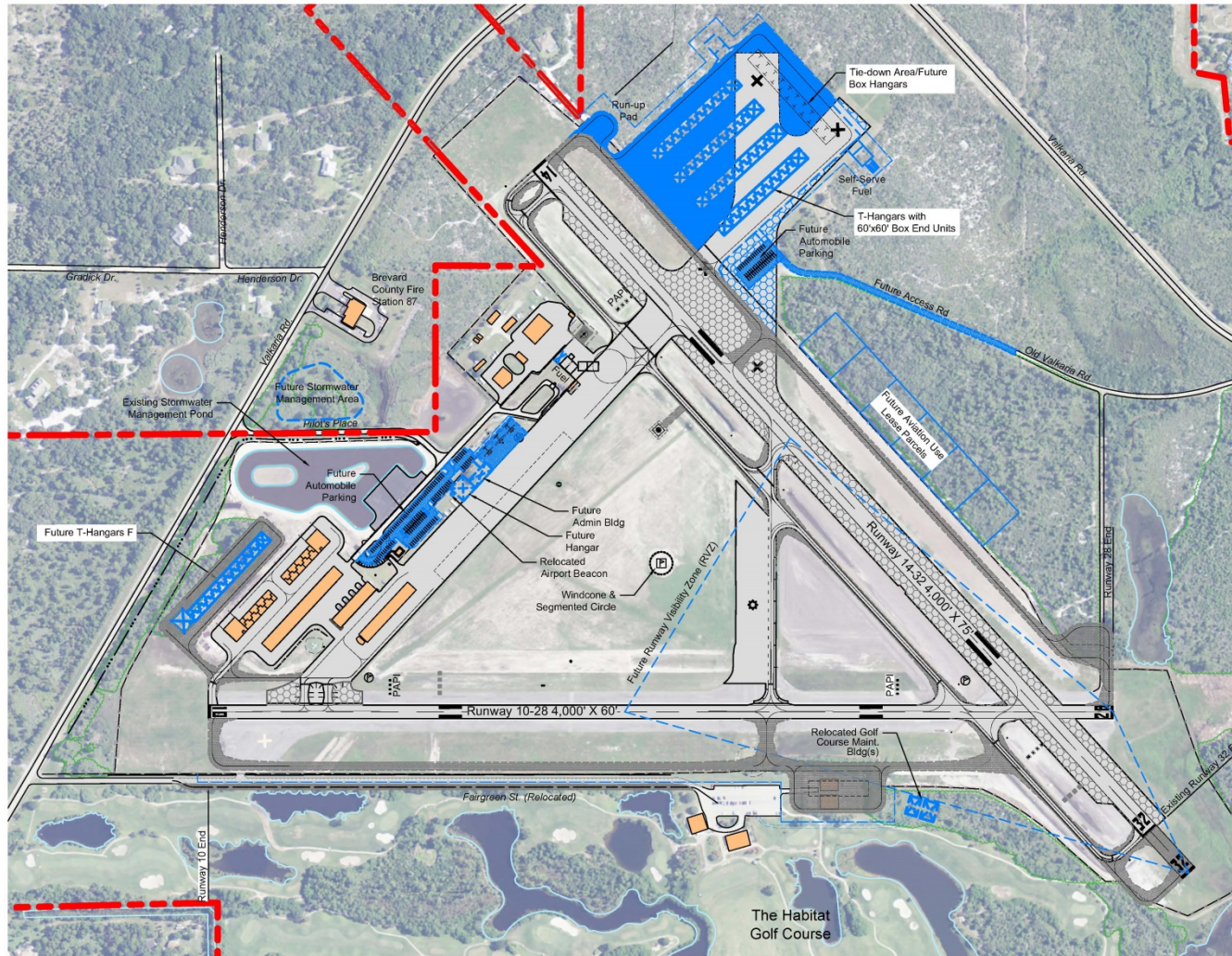


Based Aircraft		2019	2024	2034
	Forecast	+60	+15	+34
	Total	187	202	236

- Hangars
- Fuel facilities
- Washrack
- Auto parking

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