

AIRPORT MASTER PLAN

EXECUTIVE SUMMARY

An Airport Master Plan serves as a strategy for airport development that describes the need for, and timing of, airport improvements over a 20-year timeframe. The Master Plan serves to ensure that new airport facilities are located and sized appropriately for future growth, while preserving the flexibility necessary to respond to changing industry conditions. The Federal Aviation Administration, or FAA, requires Airport Master Plans for all commercial service airports. The previous Master Plan Update (MPU) for Myrtle Beach International Airport (MYR) was completed in 2001.

As outlined below, an Airport Master Plan is comprised of several sequential planning elements, while also incorporating public and stakeholder input. The final deliverables include a written technical report and a 15-sheet drawing set that depicts various aspects of proposed future development.

The preparation of this document was financed in part through a planning grant from the Federal Aviation Administration (FAA), as provided under Section 5050 of the Airport and Airways Improvement Act of 1982, as amended. The contents of this document reflect the analysis and findings of Parrish and Partners, LLC, who is responsible for the facts and accuracy of the data presented herein. The contents do not necessarily reflect the official views or policy of the FAA. Acceptance of this document does not in any way constitute a commitment on the part of the United States to participate in any development depicted herein nor does it indicate that the proposed development is environmentally acceptable with the applicable public laws.



PREPARED FOR:

Horry County Department of Airports South Carolina Aeronautics Commission Federal Aviation Administration

MYR: YESTERDAY & TODAY

Forecasts of future aviation activity levels are a critical early step in the master planning process and are used to determine the need for new or expanded facilities. In accordance with FAA guidance, aviation forecasts are based on available historical data and are prepared for short-, medium-, and long-term planning timeframes. Peak periods, where demand far surpasses yearly averages, are also considered in this planning e ort, including the summer activity peaks experienced at Myrtle Beach.

Forecast highlights include:

- Annual passenger enplanements will continue to grow and are expected to increase by 84 percent by 2038 as tourism and the local economy flourish
- Operations are expected to grow, only slower due to a continuing trend of larger aircraft serving MYR, with a 51 percent increase projected by 2038
- A 69 percent increase in freight tonnage is projected by 2038, supporting the needs of the local economy

EXISTING CHALLENGES

Several years of unprecedented increases in passenger activity at the airport has created many capacity challenges. In addition, the aircraft operating at MYR today are also much larger than the aircraft the existing terminal building was designed for. These changes at MYR have created several issues to be evaluated and addressed by this Master Plan including: • Increased fuel demand

- Passenger flow conflicts
- TSA checkpoint delays
- Bag makeup congestion
- Gate limitations
- Cell phone lot/access road congestion
- Parking access issues
- Curbside congestion



• General aviation patrons and corporate users alike will continue to favor MYR, resulting in an additional 23 based air

ENVIRONMENTAL OVERVIEW

An environmental overview was conducted to identify features that could a ect future airport development projects. As local government regulations and databases were reviewed, as well as previously completed studies and reports from MYR. The review was conducted based on guidelines set forth in the National Environmental Policy Act (NEPA) and associated FAA regulations. Based on an evaluation of applicable environmental impact categories, resources of potential concern at MYR include noise and noise-compatible land uses, nearby minority and low-income populations, protected species, water quality, floodplains, jurisdictional wetlands/ streams, and hazardous materials.

SUSTAINA BILITY PLANNING

FAA's goal is to make sustainability a core objective of airport planning. Sustainable practices are those that support environmental, social, and economic health and vitality. A sustainability baseline assessment the sustainability planning task. The objective of the baseline assessment was to gain an understanding of the sustainability performance of the sectors of the airport, to better evaluate sustainability metrics and initiatives for potential implementation. Initiatives were developed to guide Horry County Department of Airports (HCDA) in the implementation of specific actions at ious identified initiatives to ensure progress goals and objectives.

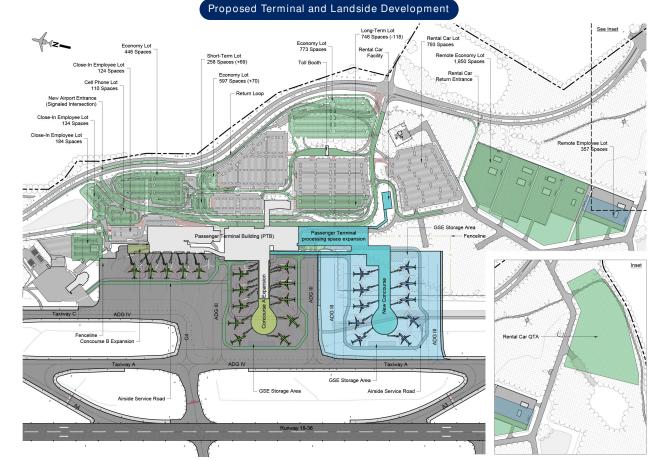
MYR's sustainability goals include:

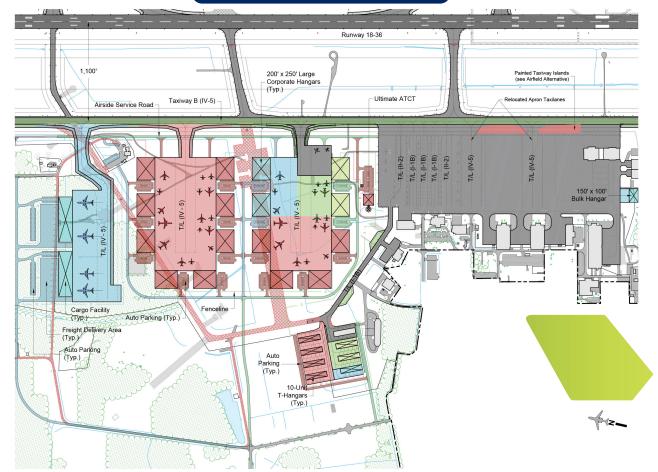
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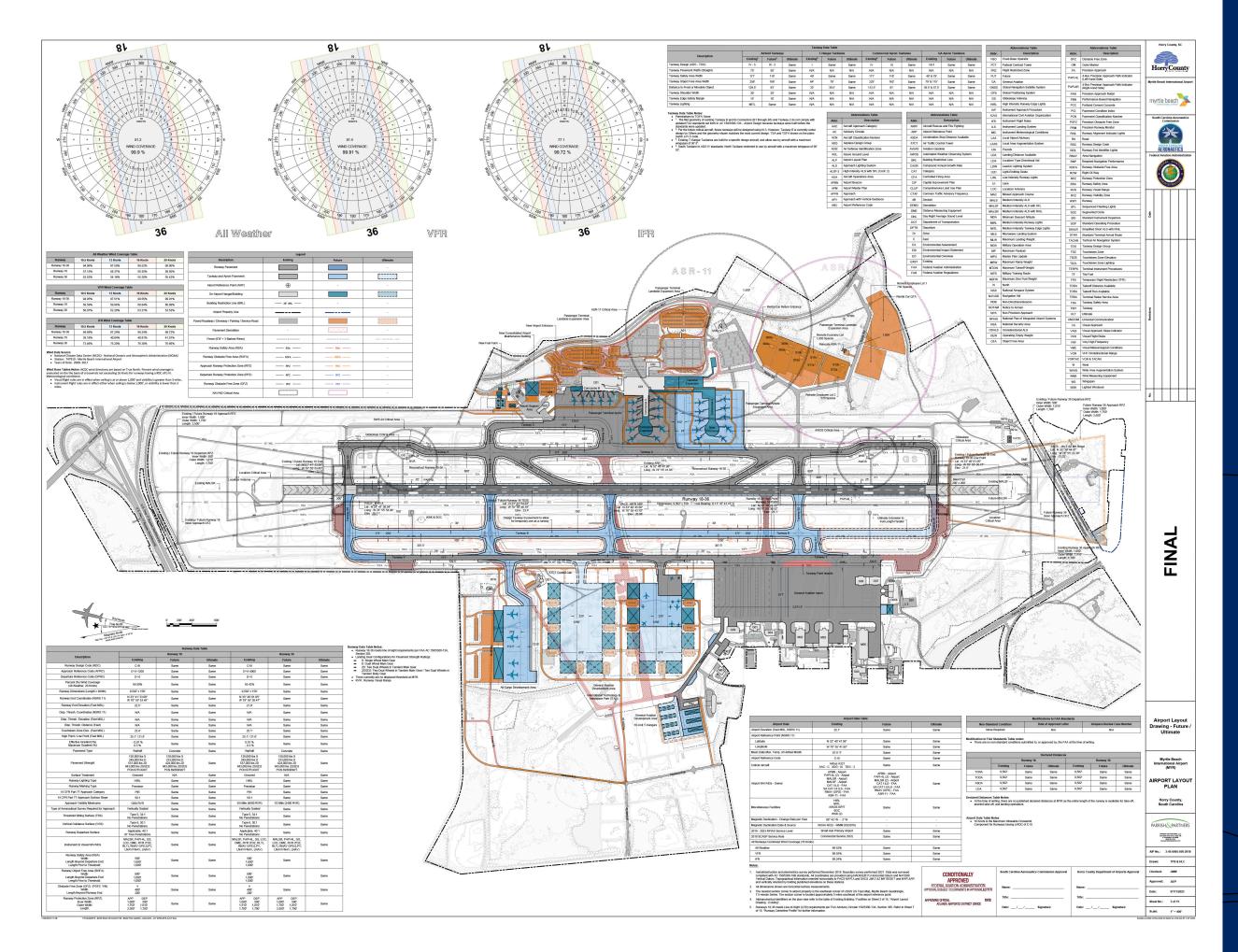


KEY RECOMMENDATIONS





Proposed General Aviation Area Development

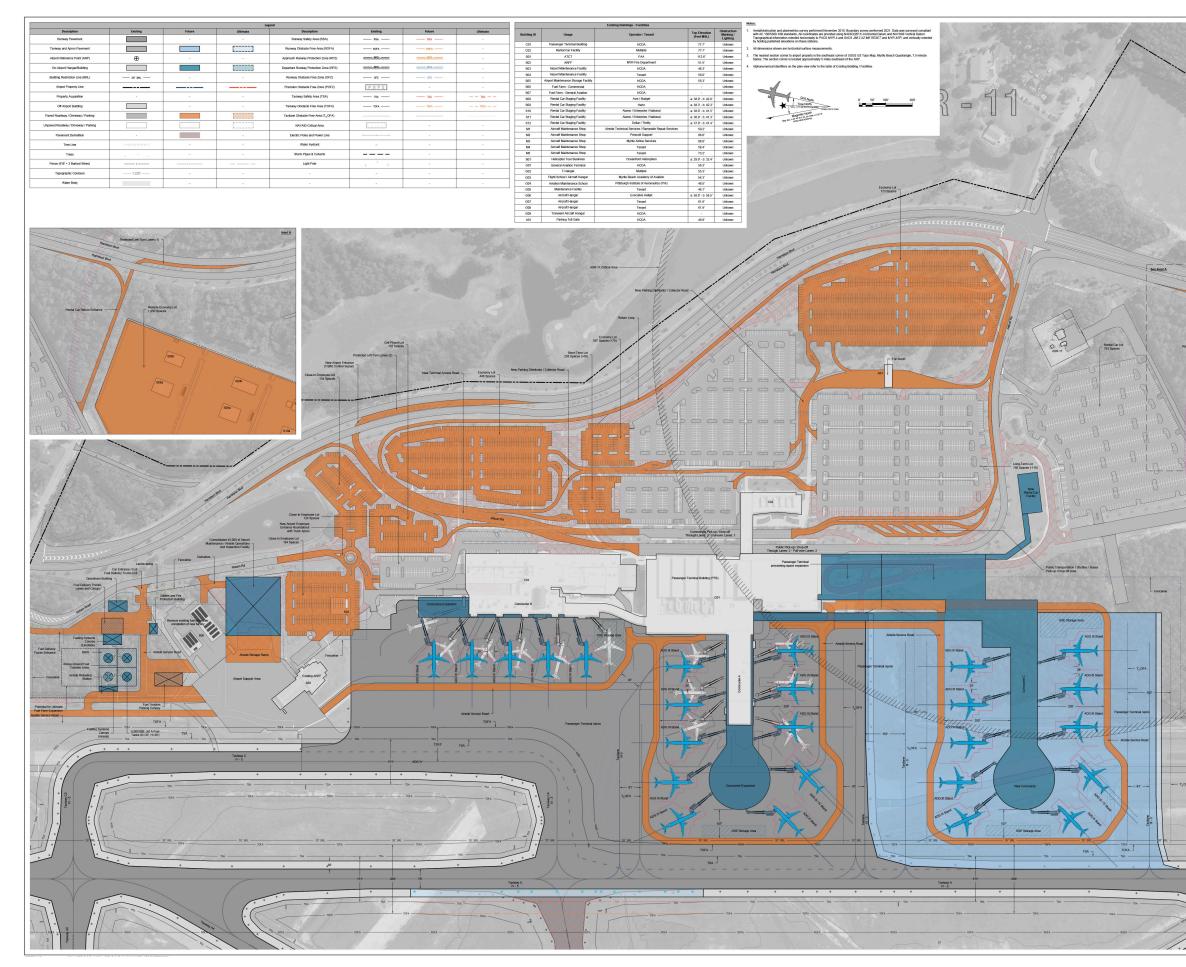


AIRPORT LAYOUT PLAN SET

A key component of a Master Plan is the Airport Layout Plan (ALP) drawing set. This comprehensive drawing set incorporates all of the proposed improvements and is used to help future infrastructure development to ensure projects are completed in a logical, sustainable, and e cient manner. The ALP set totals 15 sheets including:

- Title Sheet
- Airport Layout Drawings (Existing and Future)
- Airport Airspace Drawings
- Inner Portion of the Approach
 Surface Drawings
- Runway Departure Surface
 Drawing
- Terminal Area Drawings
- Airport/Community Land Use
 Compatibility Drawing
- Exhibit A Airport Property
 Inventory Map







AIRPORT LAYOUT PLAN SET CONTINUED...

The Commercial Terminal Area Plan presented to the left.



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