



MASTER PLAN UPDATE

Tweed-New Haven Airport Authority



Agenda

- Welcome and introductions
- What is the Master Plan?
- 2002 Master Plan Key Recommendations
- Master plan process
- Schedule
- Key issues and goals
- Study participants
- Public input
- Next steps



Introductions

- Sean Scanlon, Executive Director
- Jeremy Nielson, Airport Manager
- Consulting Team:
 - McFarland Johnson
 - Fitzgerald Halliday, Inc.
 - ASM Americas
 - Harris Miller Miller & Hanson, Inc.
 - Woolpert

What is the Master Plan?

- The official planning document for the airport
- A comprehensive study for short-, medium-, and long-term development
- Graphically shows the Airport's long-term development plan
- Justifies and validates proposed development
- Establishes an implementation plan
- Prepared per FAA AC 150/5070-6B, *Airport Master Plan*

What is the Master Plan?

- Implementation Plan
 - Cost estimates for projects
 - Regulatory requirements
 - Construction phasing
 - Funding availability
 - Considers priority needs

2002 Master Plan Key Recommendations

- Improve terminal building
- Extend Taxiway B south to the Runway 2 end
- Lengthen Runway 2-20
- Improve Safety Areas
- Relocate Taxiway B (north section) to provide standard separation
- Future general aviation development (as demand warrants)
- Improve airport access
- Drainage improvements

Accomplishments Since Last Master Plan

- Terminal building improvements
- Improve Runway 2-20 safety area
- Southerly extension of Taxiway B
- Part 150 Noise Compatibility Study
- Install perimeter fencing
- Residential sound insulation (ongoing)
- Taxiway B (north section) relocation (Environmental Assessment ongoing)



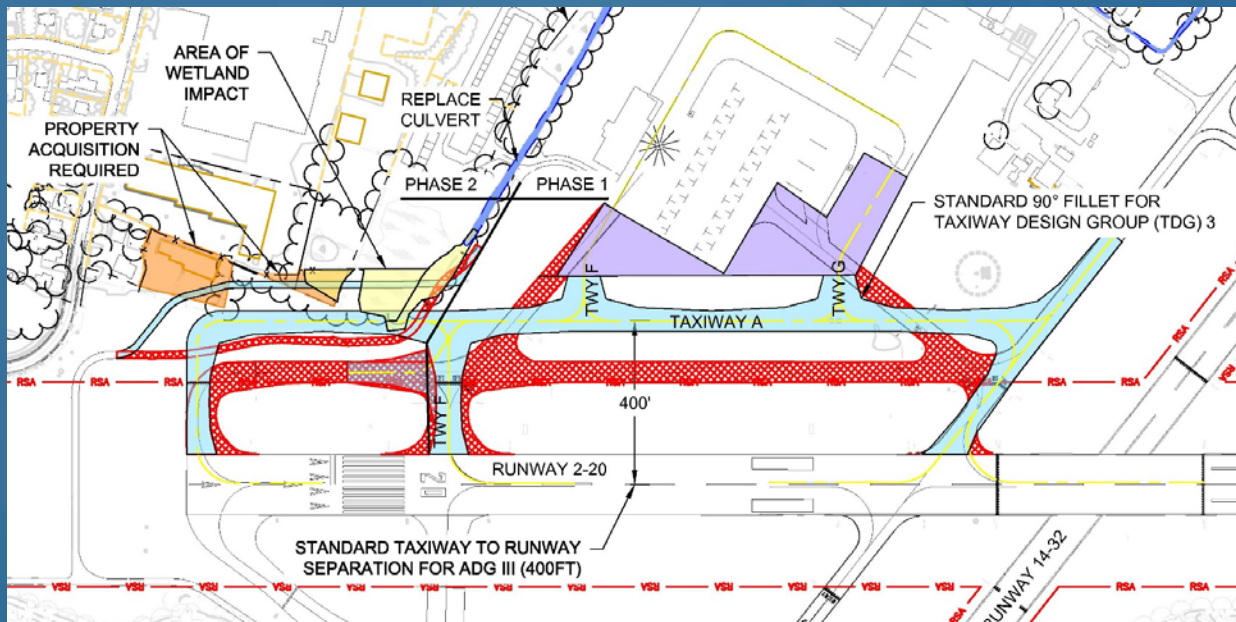
Noise Insulation Program

- 2012 comprehensive noise study completion
- Identified homes eligible for:
 - Upgrading/insulating windows and doors
 - Improving air ventilation or air conditioning systems
 - Increasing attic insulation

| | |
|--|-------------|
| Households that received sound insulation | 124 |
| Percent customer satisfaction rating | 97 |
| Properties that may be eligible for sound insulation program | 189 |
| Average value of sound insulation improvements per home | \$35K-\$40K |

Ongoing Environmental Assessment

- Taxiway B relocation
 - Provides standard runway-taxiway separation
 - Meets current FAA design standards
 - Improves drainage
 - Has phased construction



Master Plan Process

Inventory

Forecasts

Environ-
mental
Overview

Facility
Requirements

Alternatives

Airport Layout
Plan (ALP)



Public Outreach

Inventory and Forecasts

Inventory

Forecasts

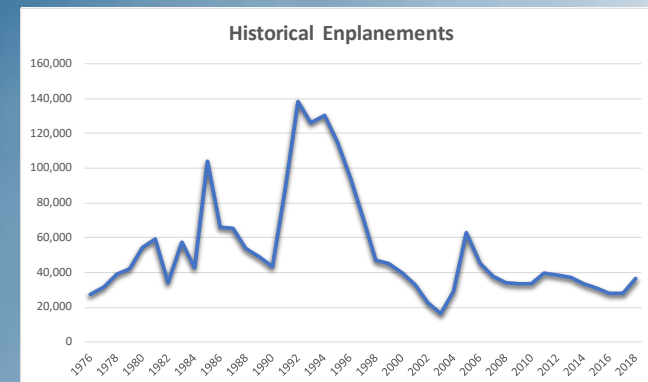
Environmental
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Alternatives

Airport Layout
Plan (ALP)

- Inventory:
 - Identify existing facilities and conditions
- Forecasts:
 - Document historical operations, based aircraft, enplanements
 - Forecast operations, based aircraft, enplanements
 - Review historical airport trends
 - Review national trends
 - Take into consideration unique local factors
 - Review current market/airline trends
 - Determine “critical aircraft”
 - **Result: a realistic forecast**



Environmental

Inventory

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Airport Layout
Plan (ALP)

- Document existing environmental areas
- **Result: avoid or minimize environmental impacts during alternatives**



Facility Requirements

Inventory

Forecasts

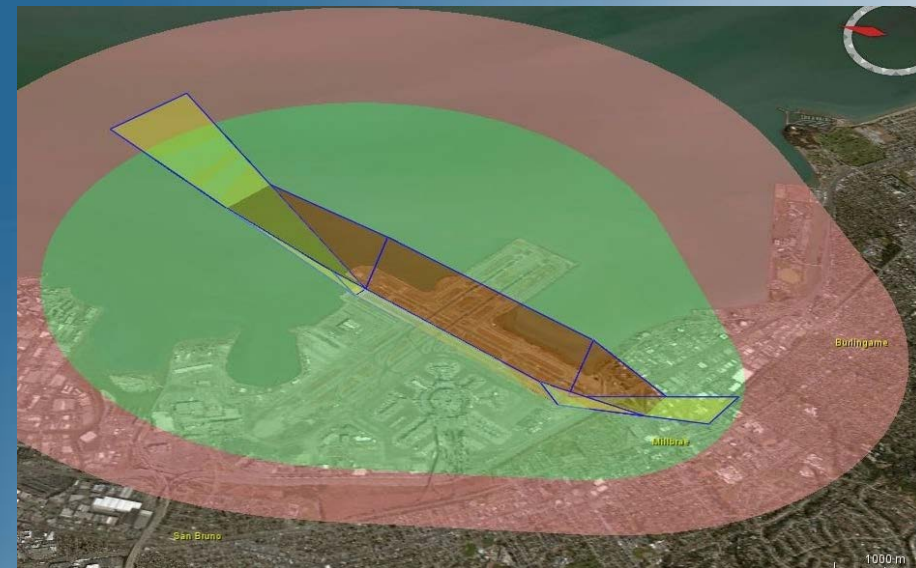
Environmental
Overview

Facility
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Alternatives

Airport Layout
Plan (ALP)

- Compares existing conditions to:
 - FAA safety standards
 - FAA design and geometry standards
 - Code of Federal Regulations airspace surfaces
 - Forecasts
- **Result: identifies needs for alternatives**



Alternatives and Airport Layout Plan

Inventory

Forecasts

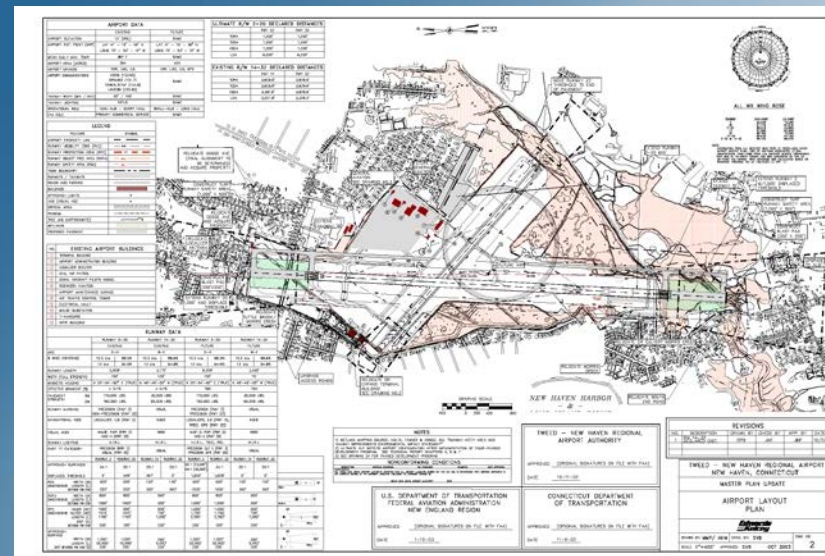
Environmental
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Alternatives

Airport Layout
Plan (ALP)

- Alternatives:
 - No build alternative
 - Build alternatives to meet standards or improve conditions
 - Build alternatives to meet forecast demand, if possible
 - Review with study participants
- **Result:** recommended alternative becomes the Airport Layout Plan (ALP)



Schedule



Key Issues and Goals



- Identify Runway 2-20 ultimate length (1)
- Determine terminal area improvements to meet demand (2)
- Identify Runway 14-32 future disposition (3)
- Identify opportunities for economic sustainability
- Determine phasing and implementation plan for recommended improvements
- Engage the public throughout the process
- Maintain planning flexibility for future aviation industry changes

Study Participants

- Consulting Team
- Federal Aviation Administration
- Tweed-New Haven Airport Authority
- Technical Advisory Committee (TAC)
- Community Advisory Committee (CAC)

Committee Roles

- Technical Advisory Committee (TAC)
 - Members:
 - City of New Haven and Town of East Haven representatives
 - Airline representatives
 - Aviation businesses
 - Connecticut Airport Authority
 - Federal Aviation Administration
 - Local public servants
 - Airport staff
 - Assist project team with technical expertise
 - Provide oversight and technical review of work
 - Act as ‘sounding board’ for development and analysis of various alternatives
 - Assist in distribution of information to constituent organizations/agencies
 - Four (4) meetings

Committee Roles

- Community Advisory Committee (CAC)
 - Members:
 - New Haven and East Haven Residents
 - Town Councilmen
 - Local business representatives
 - Connecticut Airport Authority
 - Federal Aviation Administration
 - Local Councilmen/Aldermen and municipal employees
 - Act as vehicle for communications about study to stakeholder constituents
 - Provide feedback on project team work
 - Act as ‘sounding board’ for development and analysis of various alternatives
 - Four (4) meetings

Your Input

- Comment sheets
- Project website: TweedMasterPlan.com
- Social media: facebook.com/flytweed/
- Project newsletter
- Public meetings
- Email address: HVNMasterPlan@mjinc.com



What Happens to Your Input

- All comments will be reviewed, considered, and included in the project record
- Common comments/questions will be compiled and answered on the Frequently Asked Questions (FAQ) area
- FAQs will be updated frequently as questions and comments come in

Next Steps

- Data collection and inventory
- Environmental overview
- Forecasts – FAA approval
- Facility requirements
- Alternatives
- Airport Layout Plan – FAA Approval

After the Master Plan

- National Environmental Policy Act (NEPA) process
- Final design and permitting
- Begin implementation

Conclusion

- Project website: TweedMasterPlan.com
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