Norwood Memorial Airport

Public Meeting April 30, 2019

Technical Master Plan Update



Agenda

• Technical Master Plan Update Purpose & Need

1211/11

- Sections Review
 - Overview
 - Operations Validation
 - Facility Needs
 - Alternatives
 - Implementation and Financial Plan
- Next Steps



Questions/Comments

Technical Master Plan Update Purpose and Need



- Previous Master Plan dated 2007
- Design Aircraft has remained the same
- Airport's goals require innovated cost saving / revenue generating options
- Resolve non-standard Issues
- Develop Alternatives for next 20 years

MPU Sections Review

- Section 1 Overview
- Section 2 Aviation Operations Validation and Comparison

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- Section 3 Facility Needs
- Section 4 Alternatives
- Section 5 Implementation and Financial Plan



Section 1 Overview



- Introduction
- History
- Background
- Regional Setting and Land Use
 - Identified Constraints
 - Land Use
 - Natural
 - Physical
 - Opportunities

Section 2 Aviation Operations Validation and Comparison



- Based Aircraft (-32.4%)
- Aircraft Apron Parking Demand
- Aircraft Flight Operations (-25%)
- Runway Operational Data (-8%)
- Fuel Sales (-14.1%)

Section 3 Facility Needs

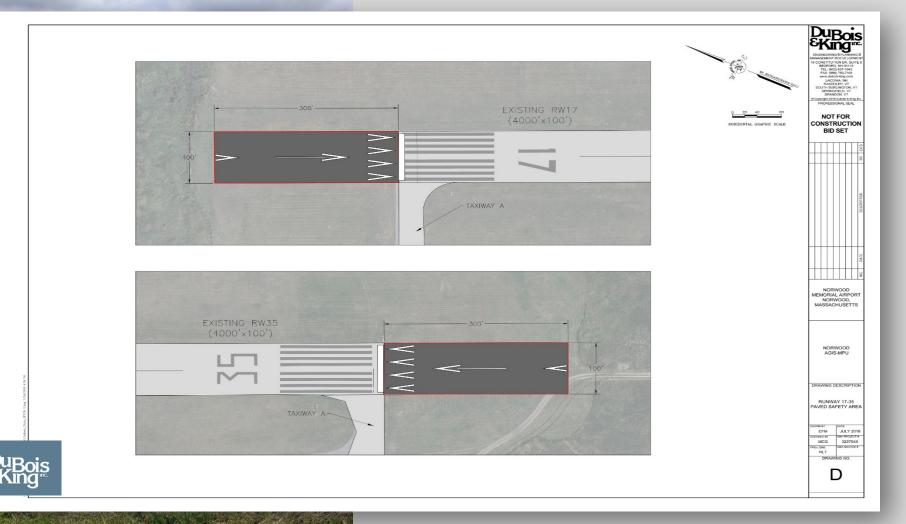


- FAA Airport Design Standards (ARC B-II)
 - Approach Speed < 121 knots
 - Wingspan < 79 feet
- Facilities evaluated in this Section include:
 - Runway 10/28 Safety Areas
 - Runway 17/35 Paved Safety Areas
 - Runway 17/35 Primary Surface Area
 - Hangar development
 - Precision Approach System
 - Taxiway C
 - Taxilane System
 - Deice Pad and Glycol Collection capability
 - Helicopter Pads South
 - Fuel Farm (aging fuel farm; 1982 4-12,000 gallon below ground system. 24K JetA, 24K)
 - Maintenance Equipment Storage / Administration / GA Terminal Building
 - Aircraft Wash area
 - MALSF Access Road
 - Airport Security / Wildlife Fencing
 - Land Acquisition
 - Automobile Parking

Note: Alternatives developed

Alternatives Runway Safety Improvements

Paved Safety Areas



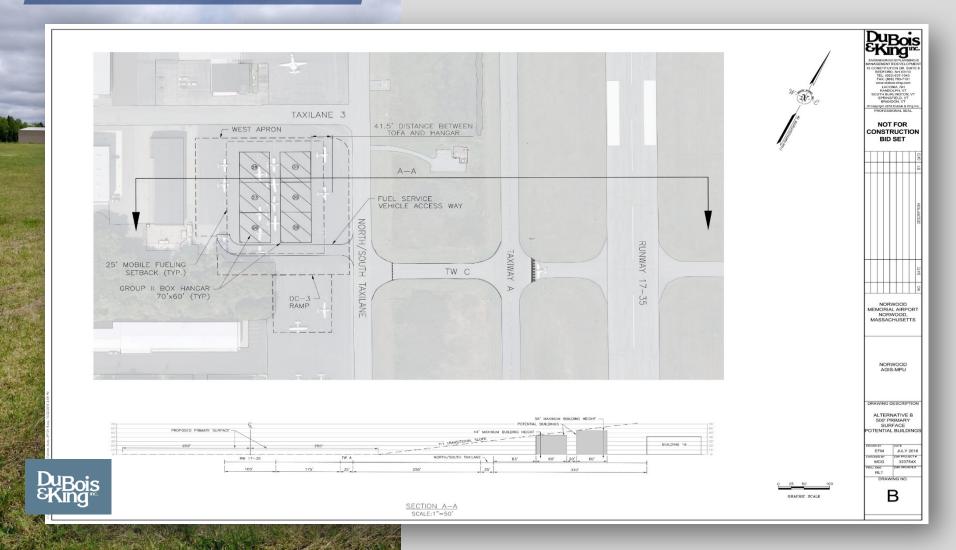
Alternatives Primary Surface

- Primary Surface Currently 1,000' Wide – for ILS Approach
- Alternative A Do Nothing



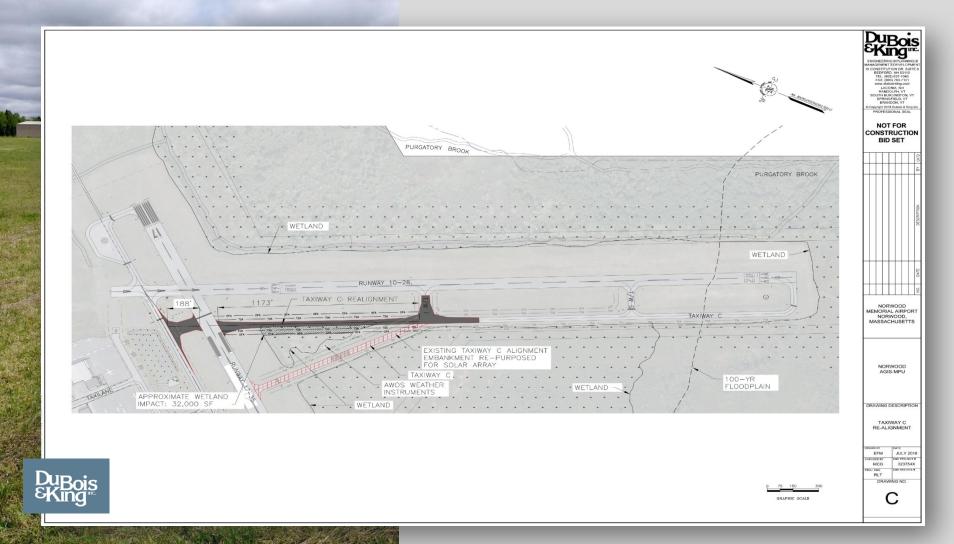
Alternatives Primary Surface

- Primary Surface Reduced to 500' Wide – for LPV Approach
- Alternative B Preferred



Alternatives Taxiway C

- Current Alignment Non-FAA Standard
- Realign and use for Airport owned Solar Array



Section 4 Alternatives Taxilane System Alternative 1

- Airport designated ADG-II
- Three (3) Taxilanes between hangars. None meet FAA standards
- Goal is to have all taxilanes to ADG-II



Section 4 Alternatives Taxilane System

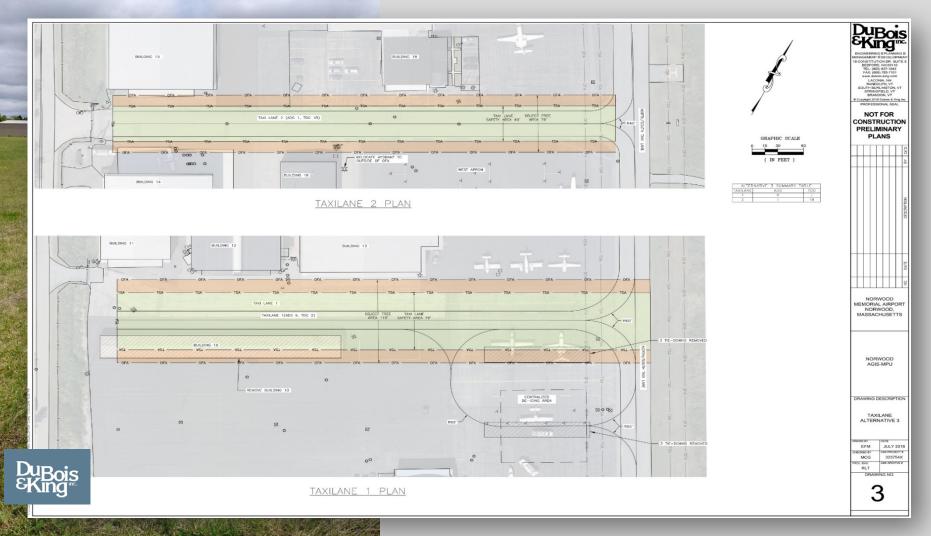
Alternative 2

- Taxilane 3 remains TDG I
- Taxilane 2 remains TDG I
- Taxilane 1 becomes TDG II



Alternatives Taxilane System Alternative 3

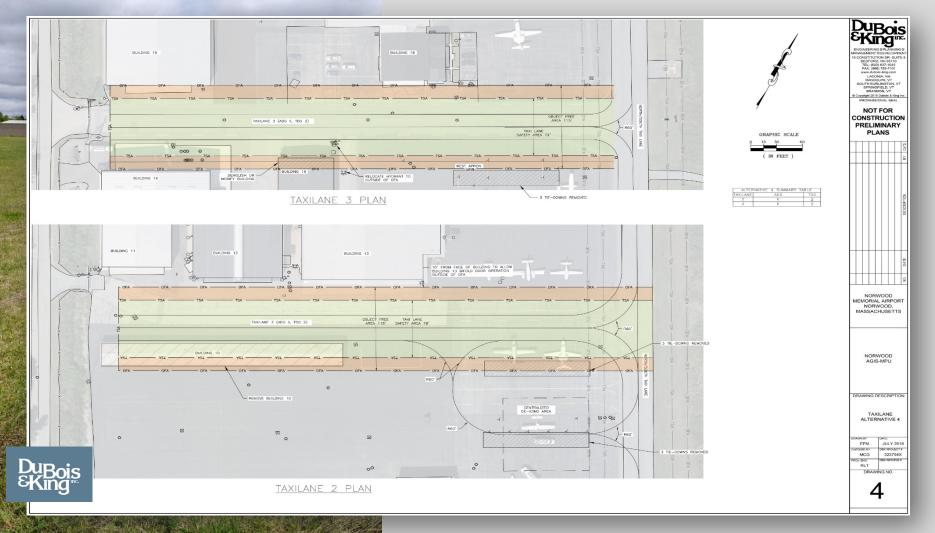
- Taxilane 3 becomes Taxilane 2 remains TDG I
 - Taxilane 2 & 1 combined
 - Becomes TDG II
 - Remove Building 10
 - Add De-icing Area with Glycol Collection



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Alternatives Taxilane System Alternative 4 - Preferred

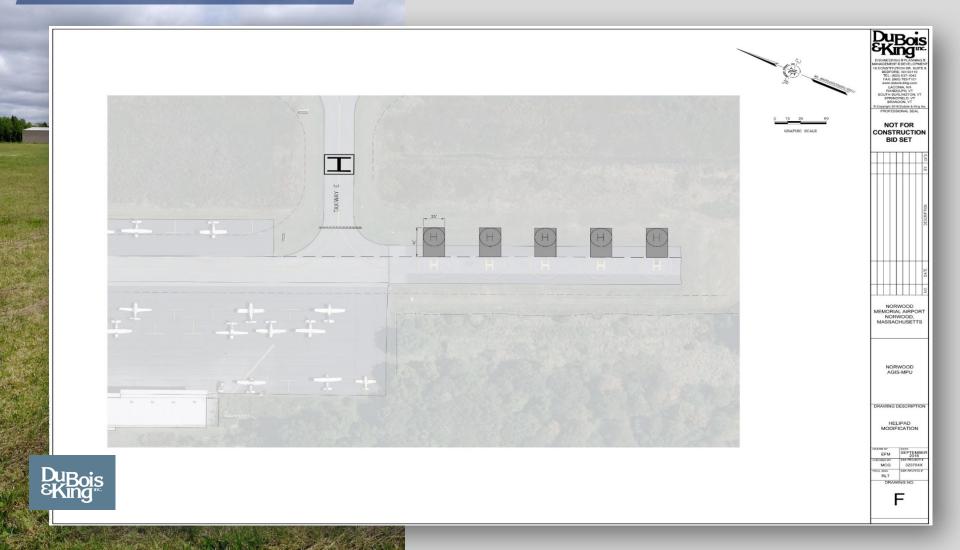
- Taxilane 3 becomes TDG II
 - Remove obstructions over time
 - Taxilane 2 & 1 combined
 - Becomes Taxilane 2 TDG II
 - Remove Building 10
 - Add De-icing Area with Glycol Collection



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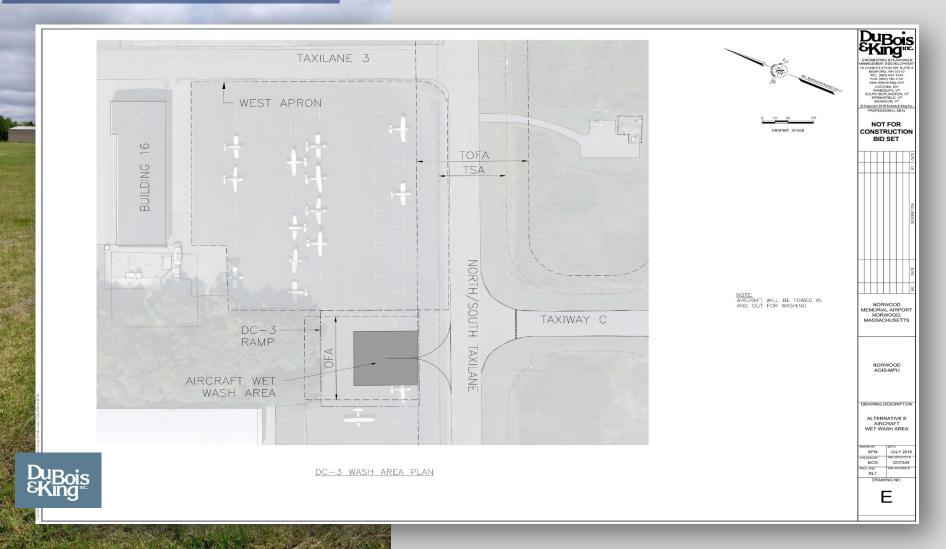
Alternatives Helicopter Pads - South

- Stage and recovery issues now.
- Alternative provide room for Recovery
- Potential hangar development



Alternatives Aircraft Wash Area

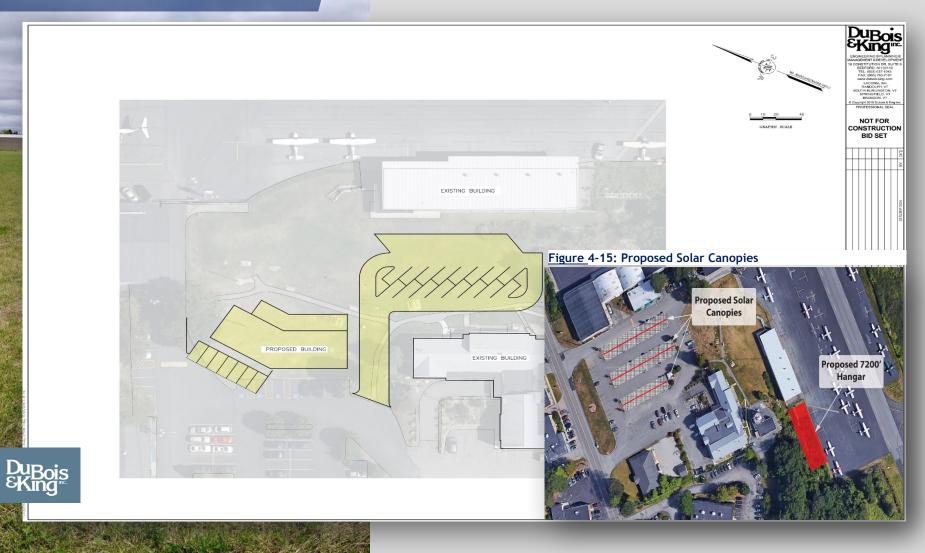
- DC-3 Apron under-utilized.
 - Wet Wash Area Revenue Generation



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Alternatives Automobile Parking

- More Parking
- Proposed Solar Canopies



Implementation and Financial Plan



- Projects Phased
 - Short-term (2019 2023)
 - Intermediate-term (2024 2028)
 - Long Term (2029 2038)
- Projects Prioritized
 Safety
- 20-Year CIP \$27.7 million
 - \$21.0 million federal / state match
 - \$6.7 million local match

Next Steps

- Comments received and incorporated when appropriate.
- FAA Reviews and Accepts
- Airport Creates new Capital Plan
- Implementation of Plan



