

Appendix M

Public and Agency Involvement

**Updated Draft Environmental Assessment and Draft Section 4(f) Determination
ALP Phase I Improvements at BWI Marshall Airport**

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APPENDIX M:

Public and Agency Involvement

Public and agency coordination is conducted as part of the National Environmental Policy Act (NEPA) process to ensure exchange of information relevant to the Proposed Actions. This appendix contains communications between consultants, the public, and other agencies that could be affected by the Proposed Action. Communications include scoping documents, emails, presentations, informational documents, meeting agendas and sign-in sheets, and publications.

The following attachments are included and referenced in Chapter 6, *Public and Agency Involvement*:

- Attachment 1: Scoping Report, October 2016
- Attachment 2: Tribal Consultation
- Attachment 3: Public Workshop, January 25, 2018

Attachment 1:

Scoping Report

October 2016

Scoping Report

FINAL

Prepared by:

HNTB

October 2016

**BWI Marshall Airport
Proposed Airport Improvements 2016-2020
Environmental Assessment**

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INTRODUCTION

The Maryland Department of Transportation Aviation Administration (MAA) is preparing an Environmental Assessment (EA) for proposed improvements 2016-2020 at Baltimore / Washington International Thurgood Marshall Airport (BWI Marshall Airport). This EA is being completed in accordance with the *National Environmental Policy Act of 1969* (NEPA), which requires environmental review of proposed Federal actions. The MAA is proposing improvements at BWI Marshall Airport that would be eligible for Federal funding which is considered a Federal Action. Therefore, an EA is being prepared in accordance with the Council on Environmental Quality implementing regulations [(CEQ); 40 Code of Federal Regulations (CFR) 1500-1508]; FAA Order 1050.1F, *Environmental Impacts: Policies and Procedures*; and FAA Order 5050.4B, *National Environmental Policy Act (NEPA) Implementing Instructions for Airport Actions*.

The MAA is proposing to implement the Proposed Improvements 2016-2020, as identified as Phase I Improvements on the most recent Airport Layout Plan (January 2015) that is currently being reviewed by the FAA. In order to implement these improvements, FAA action in the form of an environmental finding will be required. The Proposed Action consists of the Proposed Airport Improvements planned for BWI Marshall Airport between 2016 and 2020 as listed and illustrated on **Figures 1 and 2** as shown in **Attachment 1: Scoping Information Package**.

The MAA conducts scoping as the first step in preparing an EA. The FAA defines scoping as “an early and open process for determining the scope of issues to be addressed...and identifying the significant issues related to a proposed action.”¹ Scoping is not required for an EA, however, scoping can enhance EA preparation and content especially when special purpose laws apply.² Recognizing the value of identifying issues early and the potential for the proposed action to affect resources protected by special purpose laws such as wetlands and floodplains, the MAA conducted scoping with agency and public stakeholders. This report documents the scoping process as well as the results of that process.

1 Scoping Objectives and Process

The purpose of the scoping process is to provide an overview of the EA process and proposed projects to be included in the EA as well as solicit agency and public input to determine the potential issues and concerns associated with the proposed action early in the EA process. The goals of scoping include:

- Determine the appropriate level of analysis and coordination for environmental resources;
- Introduce the proposed project and potential alternatives;
- Share technical information; and
- Encourage the public to provide their input and concerns.

MAA distributed a scoping information package to interested parties, including regulatory agencies, solicited comments, and conducted separate agency and public scoping meetings in order to achieve these goals (see **Attachment 1**).

1.1 Scoping Notification and Information Provided

The scoping process began with the preparation of the Scoping Information Package that included discussion of the project background, proposed action, preliminary purpose and need, preliminary alternatives, environmental analysis, and preliminary schedule. The package was sent to regulatory agencies and relevant parties prior to the agency and public scoping meeting date. Included in the relevant parties mailing list were property owners of parcels off of the Runway 15L end where obstruction removal is proposed on their property.

A public notice detailing the date, location, and purpose of the public scoping meeting was published in the Legal Notices section of *The Baltimore Sun, Daily* on August 5th and 19th, 2016 (see **Attachment 2: Scoping Notices**). The notice also appeared online at baltimoresun.com and marylandaviation.com.

1.2 Scoping Meetings

The agency scoping meeting was held on Thursday, August 25th, 2016 at 10:00 a.m. at MAA's offices at 991 Corporate Boulevard in Linthicum, Maryland. Meeting invites and scoping information packages were sent to 20 regulatory agencies that would be considered to have an interest in or regulatory oversight of the preparation of the EA at BWI Marshall Airport (see **Attachment 3: Agency Scoping Materials**). Of the agencies invited, personnel from four (4) separate agencies attended as well as personnel from the MAA, FAA, and EA Project Team (see **Attachment 3**). Agencies in attendance included:

- Anne Arundel County Recreation and Parks
- Maryland Department of Natural Resources
- United States Department of Agriculture Animal and Plant Health Inspection Service Wildlife Services
- United States Army Corps of Engineers (USACE)

The agency scoping meeting began with opening remarks from MAA and brief introductions from all attendees. The EA Project Team then presented a PowerPoint presentation and invited questions and comments from all meeting attendees. The presentation included a brief discussion of the purpose of the scoping meetings, project background, proposed actions, EA components (to include purpose and need, preliminary alternatives, affected environment, and anticipated environmental impacts), and preliminary schedule. The agencies received a copy of the presentation for their information. Agencies were encouraged to review the materials provided previously and information presented at the meeting and to submit comments to the MAA by September 9th, 2016. The presentation, meeting notes, meeting agenda, and agency sign-in sheets are included in **Attachment 3**.

Following the Agency Scoping Meeting, the MAA distributed draft meeting minutes to the meeting attendees along with a copy of the sign-in sheet and PowerPoint presentation requesting comments no later than September 9th, 2016. Meeting attendees did not provide any comments and the minutes were finalized and e-mailed to all agencies invited to the scoping meeting for their information along with a copy of the sign-in sheet and PowerPoint presentation. The Maryland Historical Trust (MHT) provided input with regard to the USACE inquiry during the agency scoping meeting regarding tribal consultation (see **Attachment 4: Scoping Comments**).

A Public Scoping Meeting was also held on August 25th from 5:00 p.m. to 8:00 p.m. at MAA's offices at 991 Corporate Boulevard in Linthicum, Maryland. The public scoping meeting was held in an "open house" format with representatives from the MAA and the Project Team available to answer questions throughout the meeting. Presentation boards were on display to illustrate the proposed improvements, EA process and timeline, obstruction removal diagrams and details, natural resources inventory, anticipated environmental impacts, and scoping comment instructions. Handouts of presentation board graphics were provided to meeting attendees as well as copies of the scoping information package. A total of 45 people attended the public scoping meeting, with 27 being members of the public, two media persons, and the remaining 16 being MAA personnel or members of the Project Team. The primary comments and questions from the public received at and following the meeting were in reference to the obstruction / tree removal and visual impacts. The display boards and the sign-in sheet are included in **Attachment 5: Public Scoping Materials**.



Public Scoping Meeting

2 Scoping Comments

Agencies and the public were invited to comment in various ways during the scoping process. Comment forms were provided in the scoping information packages and at the public scoping meetings. Comments were also accepted via email or through the mail. The MAA requested that comments be submitted by September 9th, 2016 so that comments could be considered as early as possible in the EA process.

Over half of those members of the public that attended the Public Scoping Meeting reside off of the end of Runway 15L where obstruction removal is proposed on off-airport (privately owned) parcels.

It is noted that the MAA will consider all comments or issues brought forward during the EA process and this report will include tabulations of comments provided by the September 9th, 2016

deadline and those received prior to the finalization of this report. All agency and public comments are included in **Attachment 4**.

All comment forms, letters, and emails were reviewed, and comments were categorized by issue. Note that each comment letter or email, etc. may have discussed more than one issue. A total of five distinct issues were identified. The following sections describe the nature of the issue and provide the number of related comments received.

A paragraph entitled “Approach to Address Issue” follows the discussion of each issue. This paragraph describes briefly how the MAA proposes to address the issues in the EA analysis and documentation. All issues will be addressed in compliance with the requirements of the NEPA (42 USC § 4321 et seq.); the Council on Environmental Quality (CEQ) Regulations for Implementing NEPA (40 Code of Federal Regulations 1500-1508); the requirements of the *National Environmental Policy Act (NEPA) Implementing Instructions for Airport Actions* (FAA Order 5050.4B) and its accompanying Environmental Desk Reference for Federal Airport Actions; and *Environmental Impacts: Policies and Procedures* (FAA Order 1050.1F). The issues will also be addressed in compliance with applicable executive orders and other relevant federal and state requirements including, but not limited to Section 4(f) of the Department of Transportation Act of 1966; the Clean Water Act; the Federal Clean Air Act; and the Endangered Species Act and any amendments to these requirements, acts, and orders.

Issue # 1 – Obstruction Removal / Tree Removal – (3 comments) Residents commented on their concerns about several aspects of the proposed tree removal, including: reducing the shade on their properties; removing the trees instead of trimming; and removing the visual and noise buffer(s) between their properties and proposed development in the area.

Approach to Address Issue: The proposed obstruction removal / tree removal is necessary to clear the obstructions from BWI Marshall Airport’s navigable airspace and reduce safety concerns. The FAA and Maryland Department of Natural Resources (DNR) do not support the topping / trimming of trees, rather they prefer removal of the tree down to the ground so that no regrowth will occur. Topping or trimming trees often leads to the death of the tree, depending on how much of the tree needs to be removed. To verify the heights and growth rates of the trees proposed for removal in the BWI Marshall Airport Obstruction Removal Analysis, the trees proposed for removal will be surveyed and inventoried. The details of the survey will be presented in the EA and potential impacts from the removal of those trees confirmed as obstructions will be discussed. Potential mitigation measures will also be discussed as well as identifying those parcels that currently have an easement for obstruction removal.

Issue # 2 – Noise – (4 comments) Residents raised concerns involving several aspects of noise, including: removing trees that are considered a noise buffer; increasing noise from the proposed maintenance facilities and potential engine run-ups; abating potential noise increases; and increasing aircraft noise.

Approach to Address Issue: The 2015 (existing condition), 2020, and 2025 noise contours will be developed based on FAA standard noise modelling methodology. The noise contours will be overlaid onto land use maps to determine whether noise sensitive sites would be subject to changes in aviation related noise levels. In addition, because the FAA noise model does not

reflect the effects of vegetation on noise propagation, the EA will provide a qualitative discussion regarding the potential for the tree removal to increase noise for nearby residents.

Issue # 3 – Visual Impacts – (2 comments) Residents indicated that the trees proposed for removal provide a visual buffer from proposed townhome development in the vicinity of their properties.

Approach to Address Issue: The Project Team will conduct research to determine the location of the proposed townhomes and the EA will qualitatively discuss any anticipated visual impacts resulting from the proposed tree removal. It should be noted that the MAA is not responsible for off-site development.

Issue # 4 – Traffic – (2 comments) One resident raised concerns about the potential for increased traffic on White Avenue while another has concerns about increased traffic on I-295 and Maryland Route 100.

Approach to Address Issue: A traffic analysis is being performed for roadways that bound the airport campus (Aviation Boulevard and Dorsey Road) since the proposed action improvements may contribute to traffic volumes on these roadways (e.g., vehicular traffic will be associated with the proposed aircraft maintenance facility and therefore the traffic at the intersection of Stoney Run Road and Aviation Boulevard is being analysed). The Proposed Action does not induce aviation activity but is meant to accommodate existing and forecast demand associated with the existing runways. Potential traffic impacts associated with the Proposed Action are not anticipated in the vicinity of White Avenue, I-295, or Route 100. The EA will qualitatively discuss any anticipated traffic impacts and/or increases, as appropriate.

Issue # 5 – BWI Trail – (2 comments) One resident and the Anne Arundel County Department of Recreation and Parks commented about concerns over potential impacts to the BWI Trail.

Approach to Address Issue: The EA will include a Section 4(f) Determination that will identify any potential impacts to the BWI Trail and other Section 4(f) resources. Once identified, all potential impacts will be evaluated and minimized to the maximum extent practical with potential mitigation measures identified.

3 Summary

As a result of the scoping process, the MAA understands the issues and concerns voiced by the general public and agencies. This understanding will help shape the scope of the BWI Marshall Airport EA for Proposed Airport Improvements identified for 2016-2020 and define the issues that will be analyzed. Public comments have facilitated the identification and understanding of many of the local issues. Given the comments formally submitted and input provided at the agency and public scoping meetings, the primary concerns from agencies and the public center around the proposed tree removal that is needed to meet FAA standards. The MAA will coordinate with the necessary agencies throughout the development of the EA to ensure that all state and federal requirements are being adhered to and that the appropriate measures are being taken to minimize impacts to the natural environment and surrounding communities.

Members of the Project Team have been provided the scoping comments applicable to their technical expertise, and will consider the comments in preparing their respective analyses and documentation. Through this process, the comments received by the MAA will be used to guide the development and preparation of the Draft EA.

Endnotes

¹ FAA, Order 1050.1F, *Environmental Impacts: Policies and Procedures*, July 16, 2015, p. 7-7.

² FAA, Order 5050.4B, *National Environmental Policy Act (NEPA) Implementing Instructions for Airport Actions*, April 28, 2006, p. 7-4.

Attachment 1:
Scoping Information Package

**Baltimore / Washington International Thurgood Marshall Airport
Environmental Assessment for Proposed Improvements 2016-2020
Scoping Information Package**

Introduction

The Maryland Aviation Administration (MAA) is proposing a number of projects for implementation at Baltimore / Washington International Thurgood Marshall Airport (BWI Marshall Airport). An Environmental Assessment (EA) is being completed to satisfy the requirements of the National Environmental Policy Act of 1969 (NEPA). This document provides preliminary information regarding the EA to facilitate agency review and comment and includes the following sections:

- Background
- Proposed Action
- Preliminary Purpose and Need
- Preliminary Alternatives
- Environmental Analysis
- Preliminary Schedule
- Comment Form

The MAA encourages each agency to review these materials and provide comments by September 9, 2016. Comments provided by this time will assist the MAA in identifying issues early in the development of the EA. A Comment Form is attached for your use. You are welcome to submit comments either by mail at the below address or by email to rbowie@bwiairport.com.

Please submit written comments to:

Ms. Robin M. Bowie
Acting Director, Office of Environmental Services
Maryland Aviation Administration
P.O. Box 8766
BWI Airport, MD 21240

**Baltimore / Washington International Thurgood Marshall Airport
Environmental Assessment for Proposed Improvements 2016-2020
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Background

BWI Marshall Airport is an international air carrier airport located in Anne Arundel County, Maryland that is owned by the Maryland Department of Transportation (MDOT) and operated by the MAA. The Airport is located approximately 10 miles south of Baltimore and 30 miles northeast of Washington DC. The airfield includes two parallel runways (Runway 15R-33L and Runway 15L-33R) and one crosswind runway (Runway 10-28), a helipad, and multiple taxiways. Aviation support facilities include aircraft hangars and tie down areas, a terminal building, an Airport Traffic Control Tower (ATCT), aircraft rescue and firefighting facilities, and fuel facilities.

The MAA is proposing to implement the Proposed Improvements 2016-2020 as identified on the Airport Layout Plan (ALP). The BWI Marshall Airport ALP was conditionally approved in 2013 and a draft ALP was submitted to the FAA for consideration in 2015. In order to implement these improvements, FAA action in the form of ALP approval and federal funding will be required. NEPA requires environmental review of federal actions including federal funding, approvals and certifications. Therefore, an EA is being prepared in accordance with FAA policies and procedures for considering environmental impacts: FAA Order 5050.4B, *National Environmental Policy Act (NEPA) Implementing Instructions for Airport Actions* and FAA Order 1050.1F, *Environmental Impacts: Policies and Procedures*.

Proposed Action

The Proposed Action consists of the Proposed Airport Improvements planned for BWI Marshall Airport between 2016 and 2020 as detailed below and illustrated on **Figures 1 and 2**.

Taxiway Geometry Improvements (Improvements 1, 2, 3, 4, 5, 6, 12, 17)

- Numerous taxiways throughout the airfield will be relocated with the pavement in the current location demolished.
- New pavement will be constructed in several locations for new taxiway connectors, fillets, and shoulders.

Terminal and Terminal Area Improvements (Improvements P4, P148, 14, 15, 19)

- Concourse E will be expanded by two gates.
- The Terminal Roadway will be widened and access improvements also constructed.
- The Upper Level Roadway at Concourse E will be widened.
- A Taxicab Support Building will be constructed at the Former Hotel Site.
- A New Sky Bridge C will be constructed.

Pavement Modifications and Repair (Improvements 7, 11, Repair areas not shown on Figure 1)

- An Isolation / Remain Overnight (RON) Apron and Runway 10 Hold Pad will be constructed.
- Pavement identified in the current Pavement Management Program will be repaired according to specific level of pavement deterioration.

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Firefighting and Fire Training and Rescue Improvements (Improvements P10, P24, P45)

- The existing Aircraft Rescue and Firefighting Facility (ARFF) bays will be expanded.
- A new Terminal Response Fire Station will be constructed.
- The Fire Training Facility will be relocated.

Airside Improvements (Improvements P7, P9, P11, P12, 9, 13, 16)

- A Second Fixed Base Operator (FBO) Building and up to two new Aircraft Maintenance Facilities will be constructed.
- The existing Helipad will be relocated.
- New Vehicle Service Road Sections will be constructed from Runway 33L to the Future Fire Training Facility and in the Northwest Quadrant from the new Aircraft Maintenance Facilities to Runway 10.
- Northrop Grumman Hangar and accompanying repairs to Taxiway W.

Airfield Utility and Maintenance Improvements (Improvements P13, P14, P30, P40, P41, P43, 8, 18)

- Runway Deicing Chemical Storage and Access Road will be constructed.
- The Airfield Lighting Vault will be relocated.
- The Airport Maintenance Complex will be consolidated and relocated.
- The Triturator will be relocated.
- The Runway 15R and 28 Deicing Pads will be expanded, the Glycol Storage / Truck Staging relocated, and a new area for snow dumping constructed.

Obstruction Removal (Improvement 10)

- Trees and other structures (poles, signs, and obstruction lights) that are considered obstructions to navigable airspace both on- and off-airport will be removed.

Building and Structure Demolition (Improvements D-101, 101A, 113, 148, 167, 170, 173, 187, 271)

- Several buildings and/or structures will be relocated, as necessary, and the existing facilities demolished.

Preliminary Purpose and Need

Defining the Purpose and Need is essential in providing a sound justification for the proposed action. In addition, the Purpose and Need is used as the primary foundation to develop reasonable alternatives to the Proposed Action.

The **purpose** of implementing the Proposed Action is to meet various FAA criteria, enhance airfield safety and efficiency, accommodate existing and anticipated demand, and improved customer service at BWI Marshall Airport.

The Proposed Action is **needed** to address the following issues:

- *FAA Criteria*
 - Vegetative and man-made penetrations need to be removed to meet 14 Code of Federal Regulations Part 77, *Safe, Efficient Use, and Preservation of the Navigable Airspace*.

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- Runway to taxiway separation and taxiway fillets and shoulders modifications are needed in several airfield locations to meet AC 150/5300-13A, *Airport Design*, design standards. In some cases improvements are needed to accommodate Airplane Design Group V aircraft. Some demolition of existing equipment is needed to accommodate these improvements.
- The existing helipad location does not meet AC 150/5390-2C, *Heliport Design*, design standards and it cannot be modified in its current location, it needs to be relocated.
- Modifications to the Runway 28 Deicing Pad are needed to meet AC 150/5300-14C, *Design of Aircraft Deicing Facilities*, design standards.
- *Airfield Safety and Efficiency*
 - Modifications to a number of the existing runway/taxiway intersections are needed to reduce the risk of runway incursions.
 - BWI Marshall Airport's Pavement Management Plan (PMP) has identified areas of airfield pavement that are deteriorating and in need for various levels of repair.
 - A two-bay expansion of the existing ARFF facility is needed to better respond to airfield emergencies.
 - A dedicated Isolation / Remain Overnight (RON) Apron is needed for inspection and clearance of suspicious aircraft.
 - A new fire training facility is needed to meet AC 150/5220-17B, *Aircraft Rescue and Fire Fighting (ARFF) Training Facilities*, to allow training of ARFF personnel.
 - Several taxiways need to be relocated to provide more efficient aircraft movement within the airfield and in some cases reduce runway occupancy time in accordance with AC 150/5300-13A, *Airport Design*.
- *Existing and Anticipated Demand*
 - An additional 22,000 square feet of gate space is needed to accommodate Group V aircraft on Concourse E.
 - Additional Fixed Base Operator (FBO) space is needed to accommodate General Aviation activities for based aircraft.
 - Additional aircraft maintenance facilities are needed to accommodate a combination of Airplane Design Group IV and V aircraft. A perimeter road will be needed to accommodate these facilities if they are located north of Runway 10.
 - An additional hangar and connected apron area along with accompanying administrative office and employee parking is needed to accommodate Northrop Grumman's manufacturing requirements.
 - Additional deicing area is needed in proximity to Runway 15R during deicing conditions and for use as RON positions during other seasons. With this improvement the taxicab administration building and associated parking operations will need to be relocated. Additionally, various existing equipment and buildings need to be demolished to accommodate the expansion.
 - Additional hold pad area is needed near Runway 10 to allow Airport Traffic Control Tower personnel more flexibility for departures.

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- A new terminal response fire station is needed outside of the airport operations area to serve as a secondary fire rescue facility to provide more efficient and timely emergency response capabilities to the terminal and landside facilities.
- The airport maintenance complex needs to be relocated and consolidated to allow appropriate storage of snow removal equipment.
- An additional runway deicing chemical storage tank is needed and a modified access road for better circulation is needed to accommodate projected demand.
- *Improve Customer Service*
 - A sky bridge is needed at Concourse C to reduce walking distances to the hourly garage.
 - The terminal roadway needs to be widened and access to the hourly garage and potential hotel site needs to be improved to reduce congestion in the terminal area during peak periods.
 - The upper level roadway at Concourse E needs to be widened to be consistent with the existing terminal curbside/road between Concourse A and D. This improvement is also needed to accommodate future demand.

Preliminary Alternatives

Analysis of alternatives is key to the NEPA process. The EA will include consideration of reasonable alternatives to the Proposed Action. The number of alternatives considered will be influenced by the degree of potential impact as well as the stated purpose and need. The EA will consider potential alternatives based on the alternative's ability to meet the purpose and need of the Proposed Action. It is anticipated that the following on-airport alternatives will be considered:

No Action Alternative - Consideration of the No Action Alternative is required by NEPA per the Council on Environmental Quality (CEQ) Regulations. The No Action Alternative represents the Airport without the improvements included in the Proposed Action.

Other Alternative – This alternative will include alternatives to specific improvements that may minimize impacts to environmental resources while satisfying the project purpose and need and meeting FAA standards.

Proposed Action Alternative – This alternative includes Proposed Improvements 2016-2020 identified on the FAA January 2015 draft ALP and as illustrated on Figure 1.

Environmental Analysis

The EA will assess the environmental consequences of the Proposed Action and reasonable alternatives. All categories of impact will be considered according to the criteria included in FAA Orders 1050.1F and 5050.4B. Impact analyses will be conducted for the first full year of implementation (2020) of the improvements and five years thereafter.

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While all of the environmental impact categories identified in FAA Orders 1050.1F and 5050.4B will be addressed in the EA, the major emphasis is expected to be on those categories listed below. Preliminary review of the affected environment and available materials indicated that these categories may require detailed analysis.

- Air Quality
- Biological Resources
- Coastal Resources
- Historical, Architectural, Archeological, and Cultural Resources
- United States Department of Transportation, Section 4(f)
- Visual Effects
- Water Resources, including wetlands, floodplains, and surface waters

Preliminary review indicated that the following categories may be impacted and some analysis may be required.

- Climate
- Land Use
- Hazardous Materials, Solid Waste, and Pollution Prevention
- Noise and Noise-Compatible Land Use
- Natural Resources and Energy Supply
- Socioeconomic Impacts, Environmental Justice, and Children's Environmental Health and Safety Risks
- Cumulative Impacts

Farmlands are not present in or around BWI Marshall Airport and will require no analysis. The EA will provide succinct documentation as to why this resource will not be affected.

The anticipated level of analysis for the resource categories is based on preliminary review of the affected environment. Ongoing field studies, detailed analyses and agency consultation will determine the appropriate level of analysis for each resource category.

**Baltimore / Washington International Thurgood Marshall Airport
Environmental Assessment for Proposed Improvements 2016-2020
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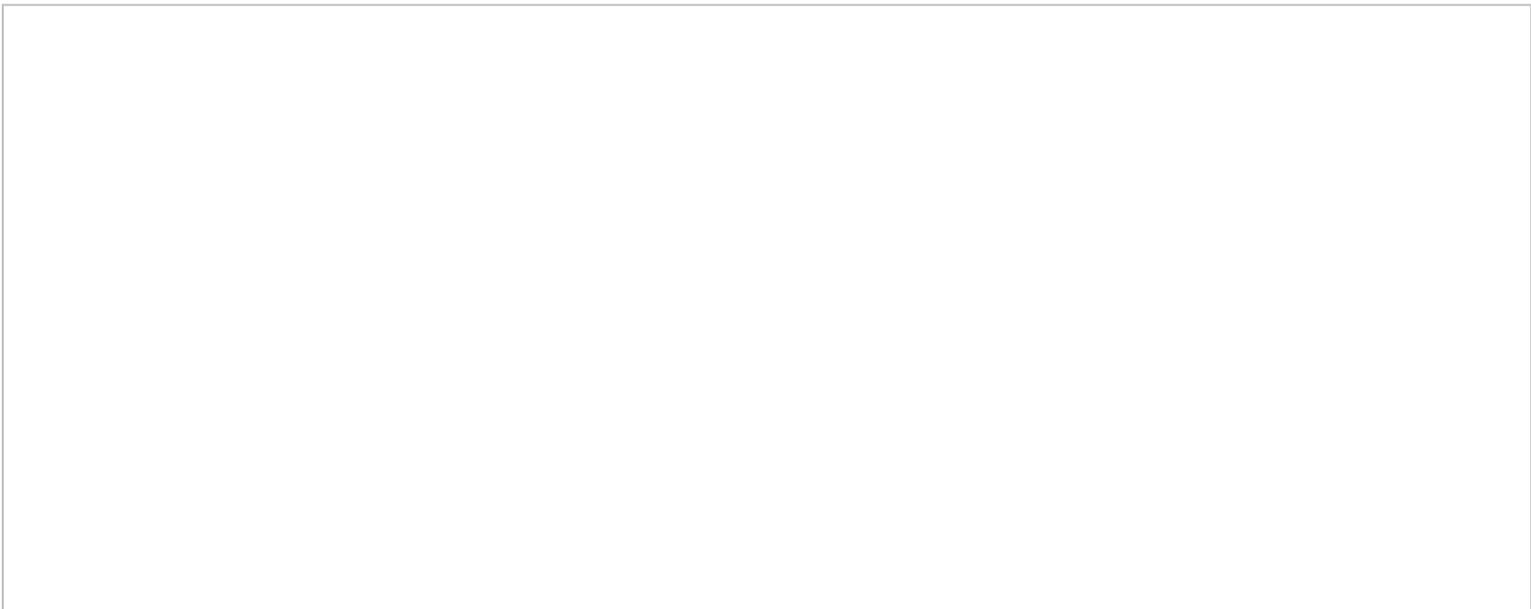
Preliminary Schedule

The EA is anticipated to last approximately 18 months. Major milestones are depicted on the following schedule. Note that there will be another opportunity to participate in the development of the EA. It is anticipated that the Draft EA will be available for agency and public review and comment in May 2017. Comments on the Draft EA will be addressed as part of the preparation of the Final EA.

TASK	2016							2017										
	June	July	August	September	October	November	December	January	February	March	April	May	June	July	August	September	October	November
Scoping																		
Impact Analysis																		
Draft EA																		
Draft EA Comment Period																		
Response to Comments																		
Final EA																		
NEPA Finding																		

Comment Form

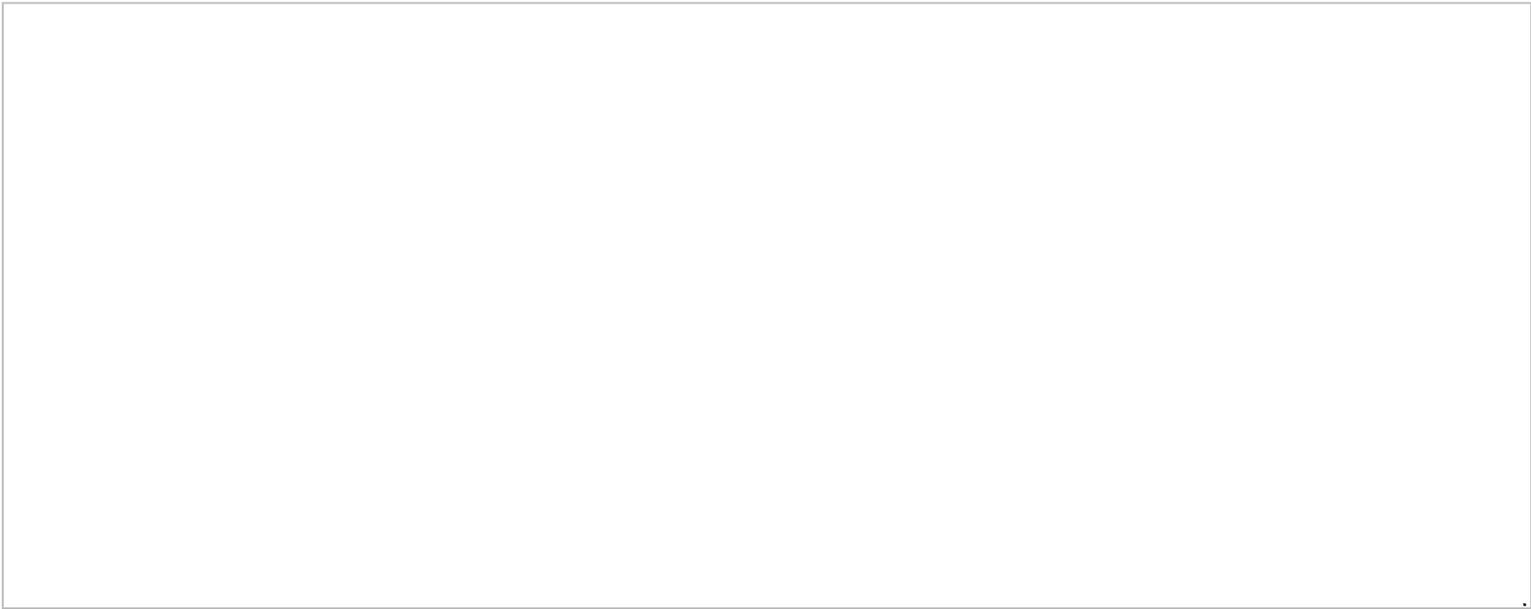
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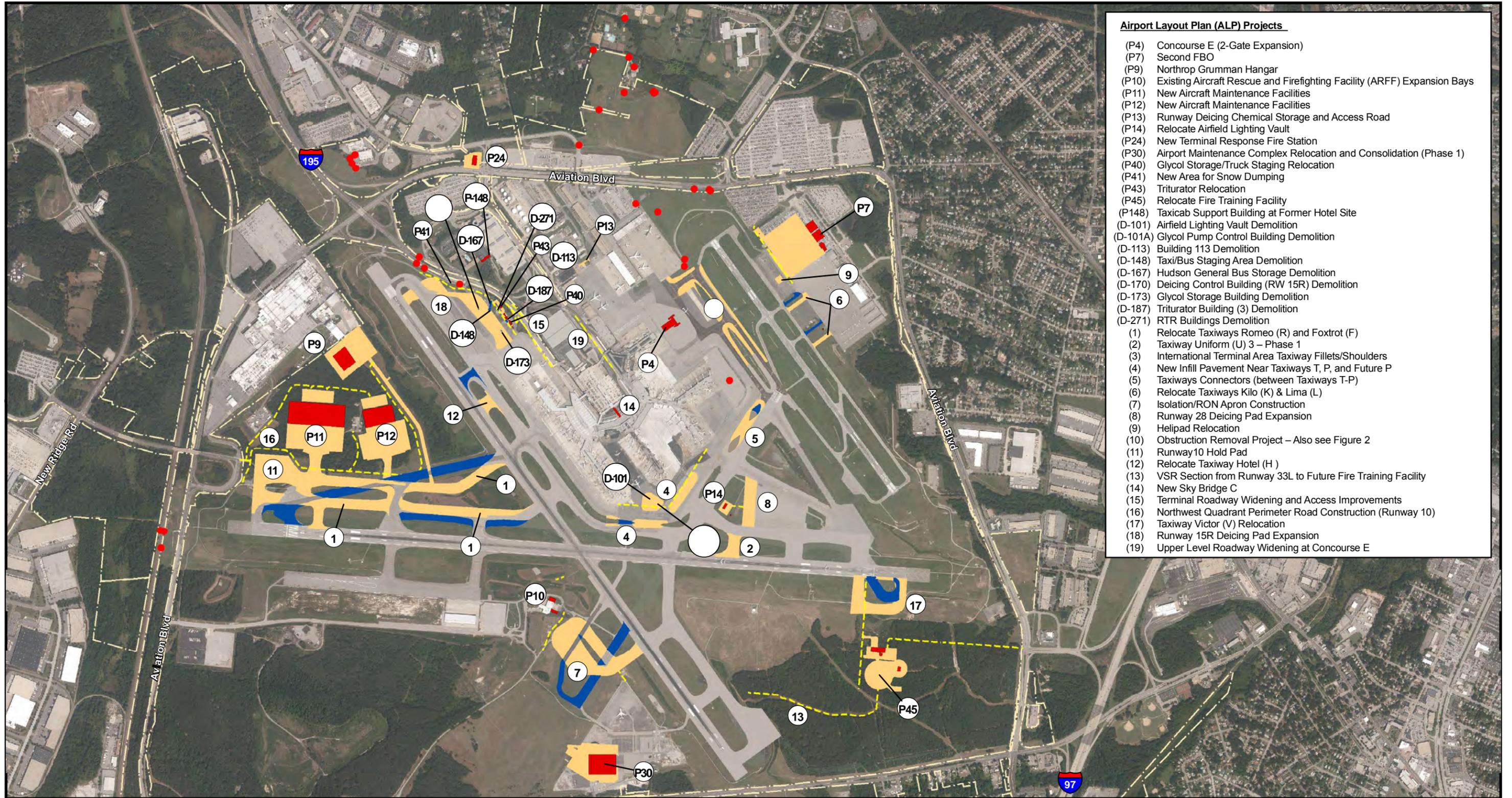


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Maryland Aviation Administration
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BWI Airport, MD 21240





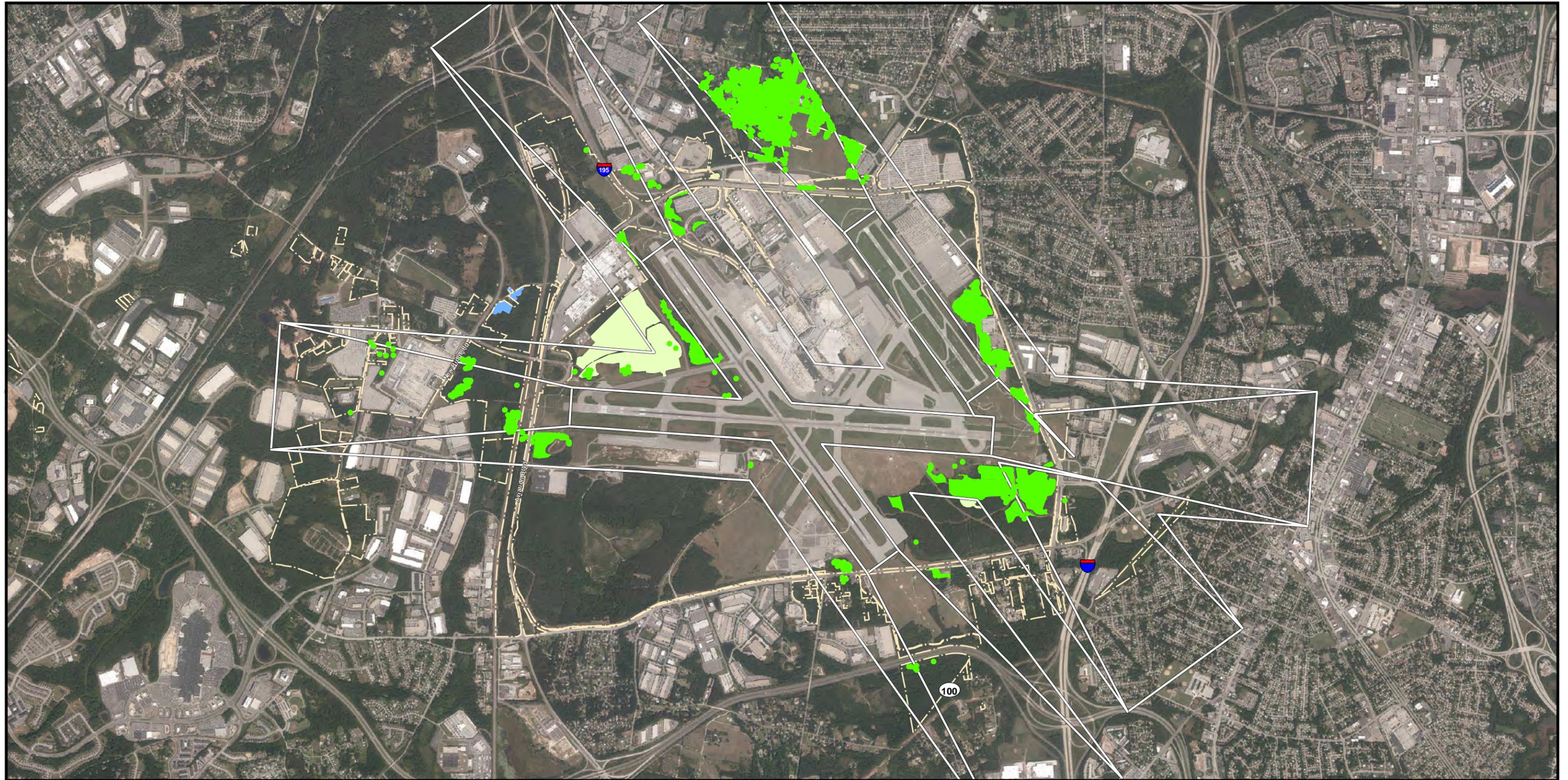
- Airport Layout Plan (ALP) Projects**
- (P4) Concourse E (2-Gate Expansion)
 - (P7) Second FBO
 - (P9) Northrop Grumman Hangar
 - (P10) Existing Aircraft Rescue and Firefighting Facility (ARFF) Expansion Bays
 - (P11) New Aircraft Maintenance Facilities
 - (P12) New Aircraft Maintenance Facilities
 - (P13) Runway Deicing Chemical Storage and Access Road
 - (P14) Relocate Airfield Lighting Vault
 - (P24) New Terminal Response Fire Station
 - (P30) Airport Maintenance Complex Relocation and Consolidation (Phase 1)
 - (P40) Glycol Storage/Truck Staging Relocation
 - (P41) New Area for Snow Dumping
 - (P43) Triturator Relocation
 - (P45) Relocate Fire Training Facility
 - (P148) Taxicab Support Building at Former Hotel Site
 - (D-101) Airfield Lighting Vault Demolition
 - (D-101A) Glycol Pump Control Building Demolition
 - (D-113) Building 113 Demolition
 - (D-148) Taxi/Bus Staging Area Demolition
 - (D-167) Hudson General Bus Storage Demolition
 - (D-170) Deicing Control Building (RW 15R) Demolition
 - (D-173) Glycol Storage Building Demolition
 - (D-187) Triturator Building (3) Demolition
 - (D-271) RTR Buildings Demolition
 - (1) Relocate Taxiways Romeo (R) and Foxtrot (F)
 - (2) Taxiway Uniform (U) 3 – Phase 1
 - (3) International Terminal Area Taxiway Fillets/Shoulders
 - (4) New Infill Pavement Near Taxiways T, P, and Future P
 - (5) Taxiways Connectors (between Taxiways T-P)
 - (6) Relocate Taxiways Kilo (K) & Lima (L)
 - (7) Isolation/RON Apron Construction
 - (8) Runway 28 Deicing Pad Expansion
 - (9) Helipad Relocation
 - (10) Obstruction Removal Project – Also see Figure 2
 - (11) Runway 10 Hold Pad
 - (12) Relocate Taxiway Hotel (H)
 - (13) VSR Section from Runway 33L to Future Fire Training Facility
 - (14) New Sky Bridge C
 - (15) Terminal Roadway Widening and Access Improvements
 - (16) Northwest Quadrant Perimeter Road Construction (Runway 10)
 - (17) Taxiway Victor (V) Relocation
 - (18) Runway 15R Deicing Pad Expansion
 - (19) Upper Level Roadway Widening at Concourse E

LEGEND

- Airport Property Boundary
- Pavement Improvements
- Proposed Structures
- Demolition
- Vehicle Roadway Improvements
- Pole/Sign/Obstruction Light (To Be Relocated or Removed)

Proposed Action
Figure 1





LEGEND

-  Airport Property Boundary
-  Part 77 (Primary, Approach and Transitional Surface Limits)
-  Tree Obstruction Removal
-  Tree Removal for Phase I Improvements
-  Tree Planting

Proposed Action - Vegetation
Figure 2



Attachment 2:
Scoping Notices



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Aug 05, 2016

The Baltimore Sun Media Group

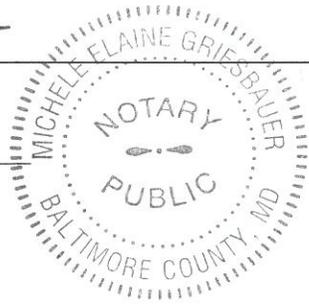
By Johnson Burrell

Subscribed and sworn to before me this 5 day of Aug 2016,

By Michelle Elaine Griesbauer

Notary Public

My commission expires 10/3/19



**NOTICE OF PUBLIC SCOPING MEETING
MARYLAND AVIATION ADMINISTRATION
ENVIRONMENTAL ASSESSMENT FOR
PROPOSED IMPROVEMENTS 2016-2020 AT
BALTIMORE / WASHINGTON INTERNATIONAL THURGOOD MARSHALL AIRPORT**

The Maryland Aviation Administration (MAA), in compliance with the National Environmental Policy Act of 1969 (NEPA), and the Federal Aviation Administration (FAA) Orders 1050.1F and 5050.4B has initiated an Environmental Assessment (EA) for proposed improvements at Baltimore / Washington International Thurgood Marshall Airport (BWI Marshall Airport) in Anne Arundel County, Maryland.

The improvements are those at the airport proposed between 2016 and 2020 as shown on the 2013 FAA-approved and 2015 draft BWI Marshall Airport Layout Plans (ALPs), including, but not limited to, pavement rehabilitation, obstruction removal, terminal improvements, taxiway construction / relocation, helipad relocation, construction of aircraft maintenance facilities, vehicle service roadway construction, aircraft firefighting facility expansion, and fire training facility relocation.

The MAA invites the public to attend a scoping meeting on Thursday, August 25, 2016 from 5:00 p.m. to 8:00 p.m. at 991 Corporate Boulevard, Linthicum, MD 21090. The purpose of the scoping meeting, which will be held in an "open house" format, is to share information and invite comments. Graphics will be on display to illustrate the proposed improvements, introduce the preliminary purpose and need, highlight the preliminary alternatives, show the scoping and EA processes, and provide the EA schedule. Representatives from the MAA and its Project Team will be available to answer questions throughout the public scoping meeting.

Written comments are requested from interested parties and may be submitted during and after the public scoping meeting. After the scoping meeting, written comments may be submitted to:

Ms. Robin M. Bowie
Acting Director, Office of Environmental Services
Maryland Aviation Administration
P.O. Box 8766
BWI Airport, MD 21240

Comments will be accepted by fax at 410-859-7082 or by email at rbowie@bwiairport.com no later than September 9, 2016. Any comments that are mailed, faxed, or emailed after this date will be considered to the extent practical.

Those interested in attending the public scoping meeting with special communication or accommodation needs are encouraged to contact Kim Hughes (khughes@hntb.com or 703-824-5100) at least 5 days prior to the workshop. Every reasonable effort to accommodate special needs will be made.

**PUBLIC NOTICE
OFFICE OF BOARDS & COMMISSIONS
ARCHITECTURAL & ENGINEERING AWARDS COMMISSION
MEETING
August 10, 2016 - 2:45 P.M.**

A meeting of the Architectural & Engineering Awards Commission will be held on Wednesday, August 10 at 2:45 P.M. in Room 215 City Hall (Board of Estimates Chambers).

If you require special accommodations to attend or participate in the meeting, please contact Michael Augins at (410) 396-6883. The following projects will be considered for award during the meeting:

1. PROJECT #1249 - ON-CALL BRIDGE DESIGN SERVICES
2. PROJECT #1251 - VALVE AND FIRE HYDRANT ASSESSMENT, OPERATION AND MAINTENANCE THROUGHOUT THE BALTIMORE METROPOLITAN WATER SYSTEM
3. PROJECT #1255 - ON CALL MATERIALS TESTING AND INSPECTION SERVICES

Michael L. Augins
Executive Secretary

**NOTICE OF PUBLIC SALE OF
PERSONAL PROPERTY**

Legal Notice

**CITY OF BALTIMORE
DEPARTMENT OF
TRANSPORTATION
PUBLIC NOTICE
A COMMUNITY MEETING
FOR
Changes to the Charm City
Circulator**

Baltimore City Dept. of Transportation in an effort to educate the community about the proposed changes to the Charm City Circulator will be holding a series of 4 Community Open Houses:
**Monday, August 29, 2016
6:00 PM to 7:30 PM
St. Philip and James Catholic Church
2801 N. Charles Street
(church hall)
Baltimore, MD 21218**

**Wednesday, August 31, 2016
6:00 PM to 8:00 PM
Baltimore Museum of Industry
1415 Key Hwy
Baltimore, MD 21230**

**Thursday, September 1, 2016
6:00 PM to 8:00 PM
St. Leo's The Great Church
227 S Exeter Street
Baltimore, MD 21202**

**Thursday, September 8, 2016
6:00 PM to 8:00 PM
Maryland Bio Park
801 W. Baltimore St.
Baltimore, MD 21202**

If you have any questions, comments or need special accommodations, please contact:

Ms. Grisha Blackette,
Southeast Liaison
or
Sandra Matier, Southwest Liaison
at 443-984-4095

Receive regular updates via Facebook At Baltimore City, Department of Transportation Or on Twitter at Baltimore City, Department of Transportation

Frank Murphy, ACTING DIRECTOR

**Department of
Transportation
Right of Way
Services Division
Land Conveyance Section**

The Chief of the Right of Way Services Division hereby gives notice that he has reviewed the statement of damages, expenses and benefits in regard to the condemnation and closing of a portion of Old Hawkins Point Road, between Pennington Avenue and the waters of Curtis Creek, all as shown on Plat 204-A-28A. In accordance with Ordinance Numbers 15-361 of the Mayor and City Council of Baltimore, approved on June 1, 2015. Notice is hereby given that the said statement and map have been so completed

**MARYLAND DEPARTMENT OF
THE ENVIRONMENT
WATER MANAGEMENT
ADMINISTRATION
NOTICE OF MODIFICATION
APPLICATION RECEIVED
AND TENTATIVE
DETERMINATION**

Baltimore City
Application for State Discharge Permit 11DP0138B, NPDES Permit MD0001911:

Kaydon Ring and Seal, Inc., 1600 Wicomico Street, Baltimore, MD 21230, submitted a modification request of a permit which authorizes the discharge of an average of 291,000 gallons per day of noncontact cooling water, heat treat rinse tank overflow, boiler blowdown, and variable volumes of storm water from a facility that manufactures piston rings and seals, located at 1600 Wicomico Street, Baltimore, MD, to the Middle Branch Patapsco River (Use II).

The Department proposes to modify the permit to address a typographical error in State Discharge Permit No. 11-DP-0138. The modification clarifies that limits and monitoring for total chromium and hexavalent chromium apply only to Outfall 001. Permit 11-DP-0138 was a renewal of State Discharge Permit No. 01-DP-0138, which required monitoring of chromium at Outfall 001 only. The Department intended to continue to apply limits and monitoring for total chromium and hexavalent chromium only at Outfall 001 in the renewal permit 11-DP-0138. A drafting error inadvertently omitted the footnote clarifying the limited nature of the chromium limitations and monitoring.

If a written request is received by August 18, 2016, an informational meeting on the application and/or a public hearing on the tentative determination can be scheduled. The request should be sent to the Maryland Department of the Environment, Water Management Administration, 1800 Washington Blvd., Baltimore, Maryland 21230-1708. Attn.: Mr. Michael Richardson, Chief, Industrial and General Permits Division and must include the name, address and telephone number (home and work) of the person making the request, the name of any other party whom the person making the request may represent, and the name of the facility and permit number. Failure to request a meeting or hearing by August 18, 2016 will constitute a waiver of the right to an informational meeting or public hearing on the tentative determination of this permit. Written comments concerning this tentative determination will be considered in the preparation of a final determination if submitted to the Department, to the attention of Mr. Richardson at the above address, on or before August 29, 2016.

**MARYLAND DEPARTMENT OF
THE ENVIRONMENT
WATER MANAGEMENT ADMINISTRATION
NOTICE OF TENTATIVE DETERMINATION**

Baltimore City
Application for State Discharge Permit 11DP2954, NPDES Permit MD0066206:

Cristal USA Inc., 3901 Fort Armistead Road, Baltimore, Maryland submitted an application for renewal of a permit to discharge an average of about 10 gallons per day of truck rinse water and stormwater runoff from an industrial waste landfill located at Fort Armistead Road, Baltimore, Maryland to unnamed tributary (Use I) to Swan Creek (Baltimore Harbor).

The Department proposes to reissue the permit with the following discharge limitations: Total suspended solids (30 mg/l monthly average, 60 mg/l daily maximum). Monitoring is required for pH. The permittee is also required to manage stormwater under a stormwater pollution prevention plan.

If a written request is received by August 25, 2016, a public hearing on the tentative determination for this permit modification can be scheduled. The request should be sent to the Maryland Department of the Environment, Water Management Administration, 1800 Washington Blvd., Baltimore, Maryland 21230-1708. Attn.: Michael Richardson, Chief, Industrial and General Permits Division and must include the name, address and telephone number (home and work) of the person making the request, the name of any other party whom the person making the request may represent, and the name of the facility and permit number. Failure to request a hearing by August 25, 2016 will constitute a waiver of the right to a public hearing on the tentative determination for this permit.

Written comments concerning the tentative determination will be considered in the preparation of a final determination if submitted to the Department, to the attention of Mr. Richardson at the above address, on or before September 6, 2016. Any hearing-impaired person who requests a hearing may request an interpreter at the hearing by contacting Mr. Richardson at (410) 537-3654 or 1-800-633-6101, or by written request to the above address at least ten working days prior to the scheduled hearing date.

Information supporting the tentative determination, including the draft permit and fact sheet, may be reviewed by contacting Mr. Richardson at the above telephone number to make an appointment or by written request to Mr. Richardson at the above address. Copies of documents may be obtained at a cost of \$0.36 per page.



501 N. Calvert St., P.O. Box 1377
Baltimore, Maryland 21278-0001
tel: 410/332-6000
800/829-8000

WE HEREBY CERTIFY, that the annexed advertisement of Order No 4394582

Sold To:

HNTB Corporation - CU00238372
2900 S Quincy St Ste 200
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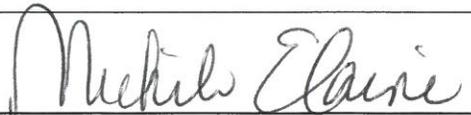
Was published in "The Baltimore Sun", "Daily", a newspaper printed and published in Baltimore City on the following dates:

Aug 19, 2016

The Baltimore Sun Media Group

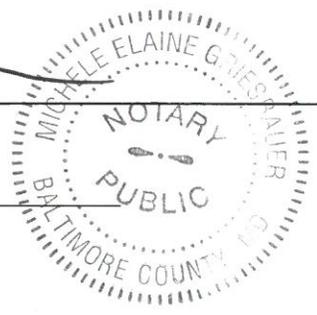
By 

Subscribed and sworn to before me this 19 day of Aug 2016,

By 

Notary Public

My commission expires 10/5/19



classified mark

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LEGAL NOTICES

NOTICE OF PUBLIC SCOPING MEETING MARYLAND AVIATION ADMINISTRATION ENVIRONMENTAL ASSESSMENT FOR PROPOSED IMPROVEMENTS 2016-2020 AT BALTIMORE / WASHINGTON INTERNATIONAL THURGOOD MARSHALL AIRPORT

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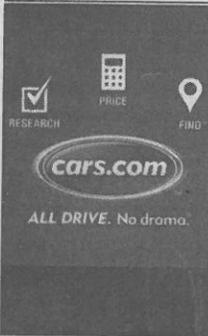
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NEPA/5106 PUBLIC NOTICE

Celco Partnership and its controlled affiliates doing business as Verizon Wireless is proposing to install an antenna and associated telecommunications equipment on an existing 46' tall building in the vicinity of 7001 Harford Road, Baltimore, MD, 21234. Public comments regarding potential effects from this site on historic properties may be submitted within 30-days from the date of this publication to Virginia Janssen at Dynamic Environmental Associates, Inc., 3850 Lake Street, Suite C, Macon, GA 31204, (877) 968-4787, Sec106@DynamicEnvironmental.com. Re: 21607019.

City of Baltimore Department of Finance Bureau of Purchases

Sealed proposals addressed to the Board of Estimates of Baltimore will be received until, but not later than 11:00a.m. local time on the following date(s) for the stated requirements:

September 21, 2016

- REGULAR CAB TRUCK WITH A DUMP BODY B50004725
- PORTABLE GENERATOR B50004726
- TRANSIT VAN WITH CAMERA INSPECTION SYSTEM B50004727
- BACKHOE WITH LOADER B50004728
- CREW CAB TRUCK WITH A UTILITY BODY AND WACHS SYSTEM B50004730

September 28, 2016

- MANAGING AND OPERATING BALTIMORE'S INNER HARBOR DOCKING FACILITIES B50004607

THE ENTIRE SOLICITATION DOCUMENT CAN BE VIEWED AND DOWN LOADED BY VISITING THE CITY'S WEB SITE:
www.baltimorecitybuy.org

IN THE CIRCUIT COURT FOR BALTIMORE CITY
Case No.: 24-D_16-002153

IN THE MATTER OF CYNTHIA MARY MASON-MATCHO FOR A CHANGE OF NAME TO CYNTHIA MARY MASON

ORDER FOR NOTICE BY PUBLICATION

The Object of this suit is to officially change the name of the petitioner from

Cynthia Mary Mason-Matcho

to

Cynthia Mary Mason

It is this 10th day of August, 2016, by the Circuit County for Baltimore City

ORDERED, that publication be given one time in a newspaper of general circulation in Baltimore City on or before the 26th day of August, 2016, which shall warn all interested persons to file an affidavit in opposition to the relief requested on or before the 12 day of September, 2016.

Lavinia G. Alexander, Clerk

Storage Auction Unpaid Storage Units Location: Store It 3551 Washington Blvd, Lansdowne MD 21227 410-247-0470

WEDNESDAY, AUG 24th

Start Time: 12:00PM Noon

Notice is hereby given to following persons that all goods stored in the associated unit will be sold at public auction to cover unpaid rent and other fees in accordance with Maryland State Lien Law 18-501: Unit 1618 10x15 Andre Evans; Unit 1713 5x10 Keira Knox; Unit 1804 5x10 Ernesta Arrowood; Unit 2644 5x5 Devon Taylor; Unit 3435 10x10 Keith Licht; Unit 3521 10x10 James M. Bride; Unit 2632 5x5 Clifton B. Unit 3507 10x10 Rasheed Ahmad. Sample items for sale: tools, household items, furniture, appliances, electronic box assortment, clothes. Terms: All sales FINAL. CASH only at time of sale, 48 hours to remove items & broom clean up. 10% Buyer's Premium; Items sold "AS-IS" condition with no representations or guarantees expressed or implied. Customer may still claim unit up to the time of sale by paying the unpaid balance in full. We reserve the right to cancel any auction

NOTICE OF PUBLIC SALE OF PERSONAL PROPERTY

Notice is hereby given that Extra Space Storage will sell at public auction, to satisfy the lien of the owner, personal property described below belonging to those individuals listed below at location indicated: 7985 Rossville Blvd, Nottingham, Md 21236 8/24/2016 B064 Ramon West, bed, boxes, totes, night stand, lamps, B075 Michael Johnson, boxes, sofa, baby toys, bed frame, B078 Staz Simmons-Whitehead, chair, microwave, totes, kidstoy, crate, B082 Dawn Files, chair, kids bike, tv, sword, kids, folding chairs, C189 Glen Davis, weight bench, headboard, Christmas decorations, book shelf, lamp, boxspring. The auction will be listed and advertised on www.storage-treasures.com. Purchases must be made with cash only and paid at the above referenced facility in order to complete the transaction. Extra Space Storage may refuse any bid and may rescind any purchase up until the winning bidder takes possession of the personal property.

marketplaceindex

Announcements/greetings
Auctions
Automotive
Cemetery Lots
Dating & Phone Services

Financial
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Merchandise
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Rentals
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VISIT OUR WEB SITE AT advertise.baltimoresun.com

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The Baltimore Sun reserves the right to revise, reject or edit any advertisement or portion thereof at its sole discretion. Claims for errors must be made within 14 days of an ad appearing. The maximum liability of The Baltimore Sun for any error in printing or in the day of publication shall not exceed the cost of advertisement. To correct ads appearing more than once, it is the responsibility of the advertiser to notify The Sun of any errors to correct subsequent insertions.

CLASSIFIED ADVERTISING DEPARTMENT

HOURS OF OPERATION:

Monday-Friday 9:00 A.M.-5:30 P.M.

Legal notices accepted until 5 P.M.

Saturday 10:00 A.M.-4:00 P.M.

Sunday 10:00 A.M.-4:00 P.M.

Death notices only on weekends

Attachment 3:
Agency Scoping Materials

AGENCIES INVITED TO SCOPING MEETING

Federal, State and Local Agencies

Type	Location
Federal	Mr. Trevor Clark Project Review US Fish and Wildlife Service Chesapeake Bay Field Office 177 Admiral Cochran Drive Annapolis, MD 21401
Federal	Mr. Genevieve LaRouche, Field Supervisor US Fish and Wildlife Service Chesapeake Bay Field Office 177 Admiral Cochran Drive Annapolis, MD 21401
Federal	Mr. Craig Koppie Bald Eagle Coordinator US Fish and Wildlife Service Chesapeake Bay Field Office 177 Admiral Cochran Drive Annapolis, MD 21401
Federal	Mr. Marcus Brundage, Environmental Specialist Federal Aviation Administration Washington Airports District Office 23723 Air Freight Lane, Suite 210 Dulles, VA 20166
Federal	Mr. Joe DaVia, Chief, Maryland Section Northern U.S. Army Corps of Engineers, Baltimore District 10 S. Howard Street, P.O. Box 1715 Baltimore, MD 21203-1715
Federal	Mr. Rich Kibby U.S. Army Corps of Engineers, Baltimore District Regulatory Division 10 S. Howard Street, P.O. Box 1715 Baltimore, MD 21203-1715
Federal	Mr. Kevin Sullivan State Director US Department of Agriculture-Wildlife Services 1568 Whitehall Road Annapolis, MD 21401
State	Ms. Heather Murphy, Director of Planning and Capital Programs, Maryland Department of Transportation Office of Planning and Capital Programming 7201 Corporate Center Drive, P.O. Box 548 Hanover, MD 21076

Federal, State and Local Agencies

Type	Location
State	Mr. Elder A. Ghigiarelli, Jr. Deputy Program Administrator Coastal Zone Consistency Division Maryland Department of the Environment Wetlands and Waterways Program 1800 Washington Boulevard Baltimore, MD 21230
State	Mr. Dave Walbeck, Mitigation Specialist Maryland Department of the Environment Water Management Administration Nontidal Wetlands and Waterways Division 1800 Washington Boulevard Baltimore, MD 21230
State	Mr. Brian Hug, Acting Manager Maryland Department of the Environment Air Quality Planning Program 1800 Washington Boulevard Baltimore, MD 21230
State	Ms. Lisa Dosmann, Non-tidal Wetlands Maryland Department of Environment Wetlands & Waterways Division 1800 Washington Boulevard Baltimore, MD 21230
State	Ms. Marian Honeczy, Supervisor of Urban Programs & FCA Coordinator MD Department of Natural Resources Forest Service 580 Taylor Avenue, E-1 Annapolis, MD 21401
State	Ms. Kathy McCarthy, Southern Regional Ecologist Maryland Department of Natural Resources Wildlife and Heritage Service 580 Taylor Avenue, E-1 Annapolis, MD 21401
State	Ms. Lori Byrne, Environmental Review Specialist Maryland Department of Natural Resources Wildlife and Heritage Service 580 Taylor Avenue, E-1 Annapolis, MD 21401

Federal, State and Local Agencies

Type	Location
State	Ms. Elizabeth J. Cole, Administrator, Review and Compliance Maryland Historical Trust Division of Historical and Cultural Programs 100 Community Place Crownsville, MD 21032-2023
Local/Regional	Anne Arundel Historical Society P.O. Box 385 Linthicum, MD 21090-0385
Local/Regional	Mr. Dan Kane, Director Anne Arundel County Department of Inspections and Permits Heritage Complex – Building 2664 2664 Riva Road Annapolis, MD 21401
Local/Regional	Mr. Rick Anthony, Director Anne Arundel County Department of Recreation and Parks 1 Harry S Truman Parkway Annapolis, MD 21401
Local/Regional	Mr. Larry Richard Tom, Director Anne Arundel County Office of Planning and Zoning 2664 Riva Road Annapolis, MD 21401

Source: HNTB, 2016.

Agency Scoping Presentation



Agency Scoping Meeting
Environmental Assessment for
Proposed Improvements 2016-2020
at BWI Marshall Airport

August 25, 2016



PRESENTATION OVERVIEW

- Purpose of the Scoping Meetings
- Project Background
- Proposed Action
- Environmental Assessment (EA)
 - Purpose and Need
 - Preliminary Alternatives
 - Affected Environment
 - Anticipated Environmental Impacts
- Preliminary Schedule
- Comments and Discussion



PURPOSE OF THE SCOPING MEETINGS

➤ Agency Scoping Meeting

- Provide project overview
- Determine the appropriate level of environmental analysis and coordination
- Identify potential environmental impacts
- Solicit agency input

➤ Public Scoping Meeting

- Introduce the project to the public
- Solicit public input and comments



PROJECT BACKGROUND

- Baltimore/Washington International Thurgood Marshall Airport (BWI Marshall Airport)
- Located in Anne Arundel County, Maryland
- 3,200+ acres
- Two air carrier runways and one general aviation runway
- Implement 2016-2020 Proposed Airport Improvements shown on Airport Layout Plan (ALP)



AIRPORT FACILITIES

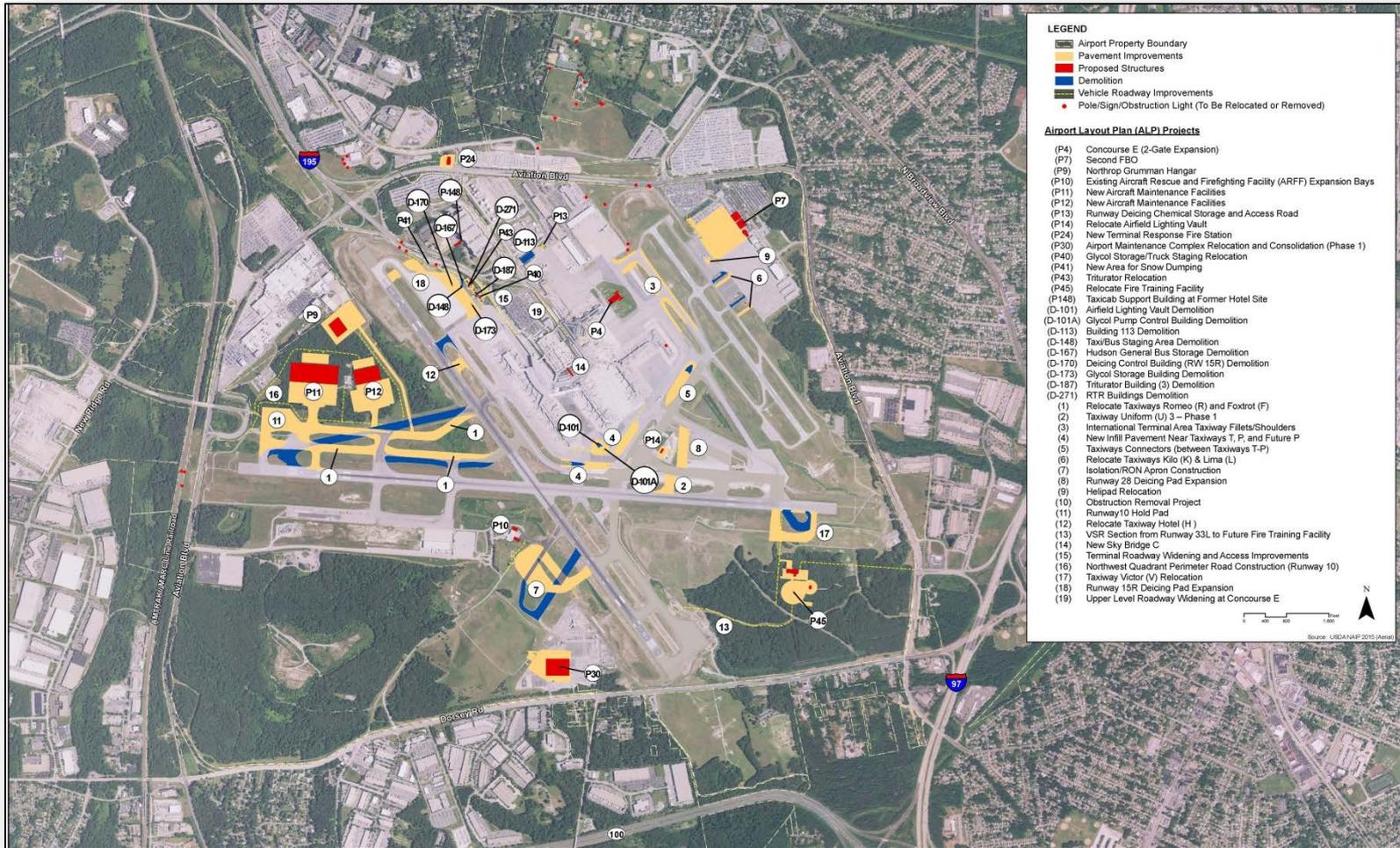


PROPOSED ACTION

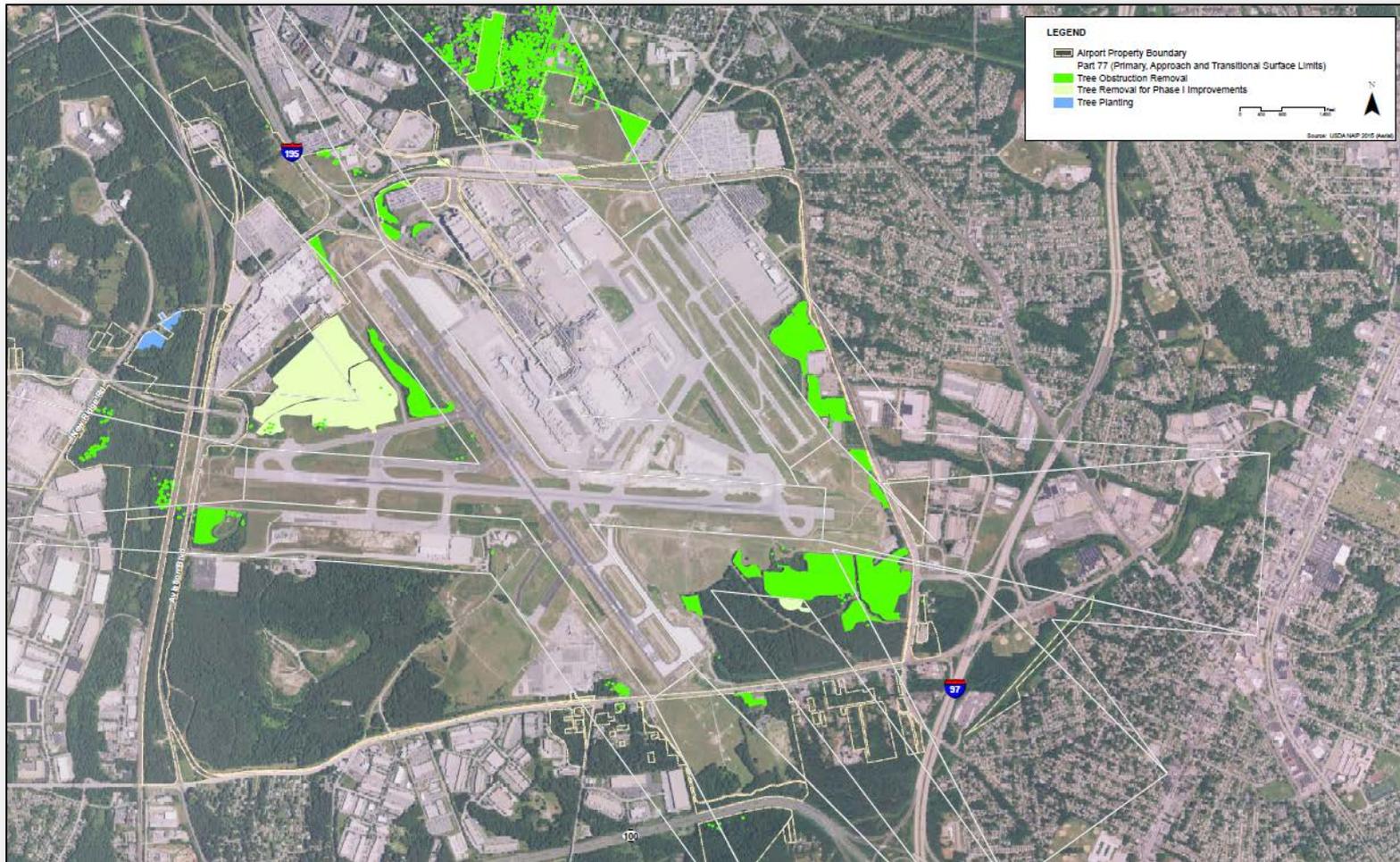
➤ BWI Marshall Airport Layout Plan (ALP)

- Documents the existing airport facilities and shows proposed future airport development.
- Prepared by the airport sponsor and submitted to the FAA for review and approval (approved 2013, draft submitted for approval 2015).
- Current 2015 Draft BWI Marshall Airport ALP shows phased development.
 - Construction in Progress (Approved ALP)
 - **Phase 1 (2016-2020)**
 - Phase 2 (2021-2025)
 - Phase 3 (2026 – Ultimate)

PROPOSED ACTION



PROPOSED ACTION - VEGETATION



ENVIRONMENTAL ASSESSMENT

➤ Why an EA?

- The type of environmental document is based on FAA Order 1050.1F *Environmental Impacts: Policies and Procedures*.
- **The Proposed Action**
 - Is not included in the list of categorically excluded actions;
 - Is not one that normally requires an EIS; and
 - Is listed as an action that normally requires an EA.
- **Therefore, an EA is the appropriate level of environmental review.**

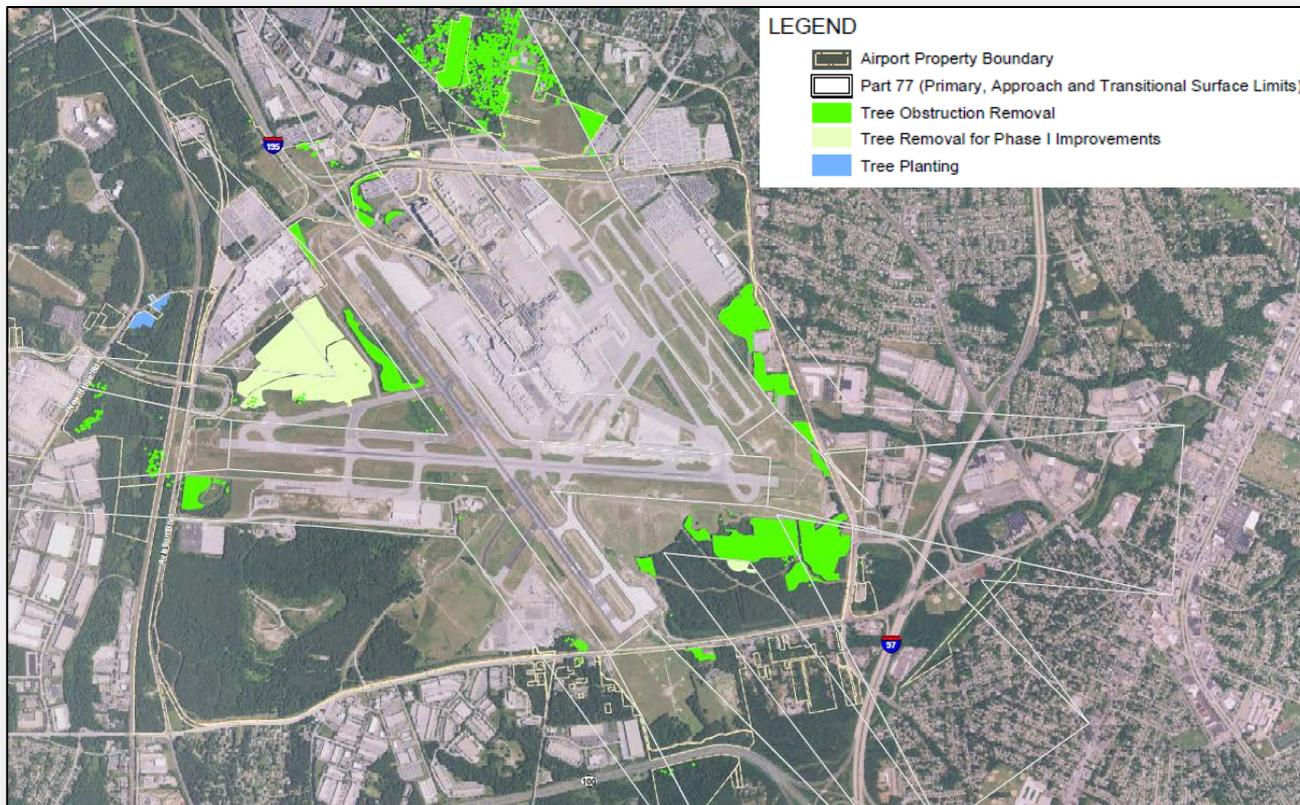
PURPOSE AND NEED

- Meet FAA Design Standards
- Accommodate Existing and Anticipated Demand
- Improve Customer Service

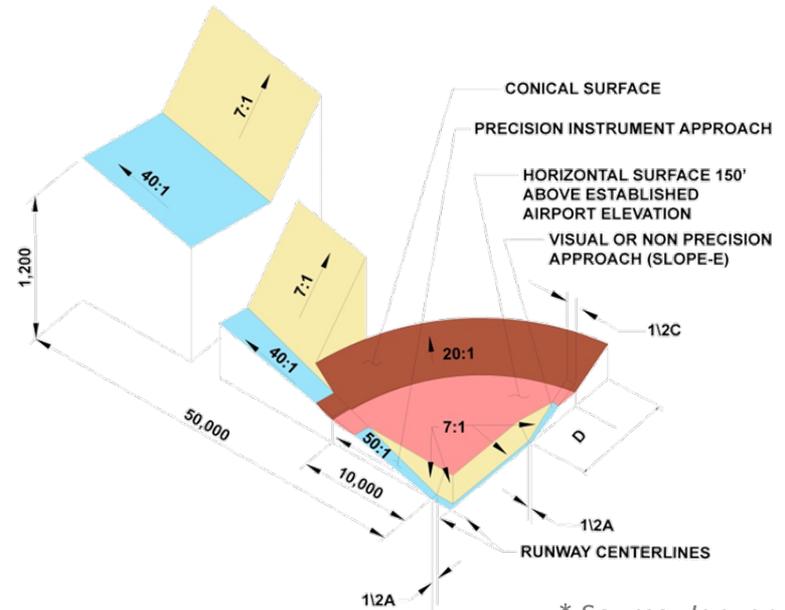
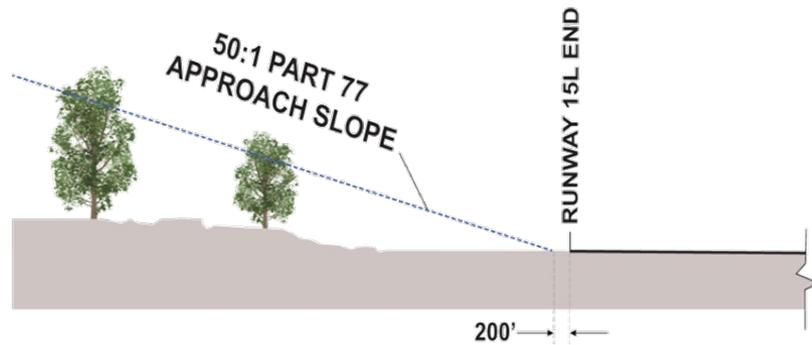
PURPOSE AND NEED

➤ Meet FAA Design Standards

- Obstructions to FAA Surfaces (Part 77 Surfaces)

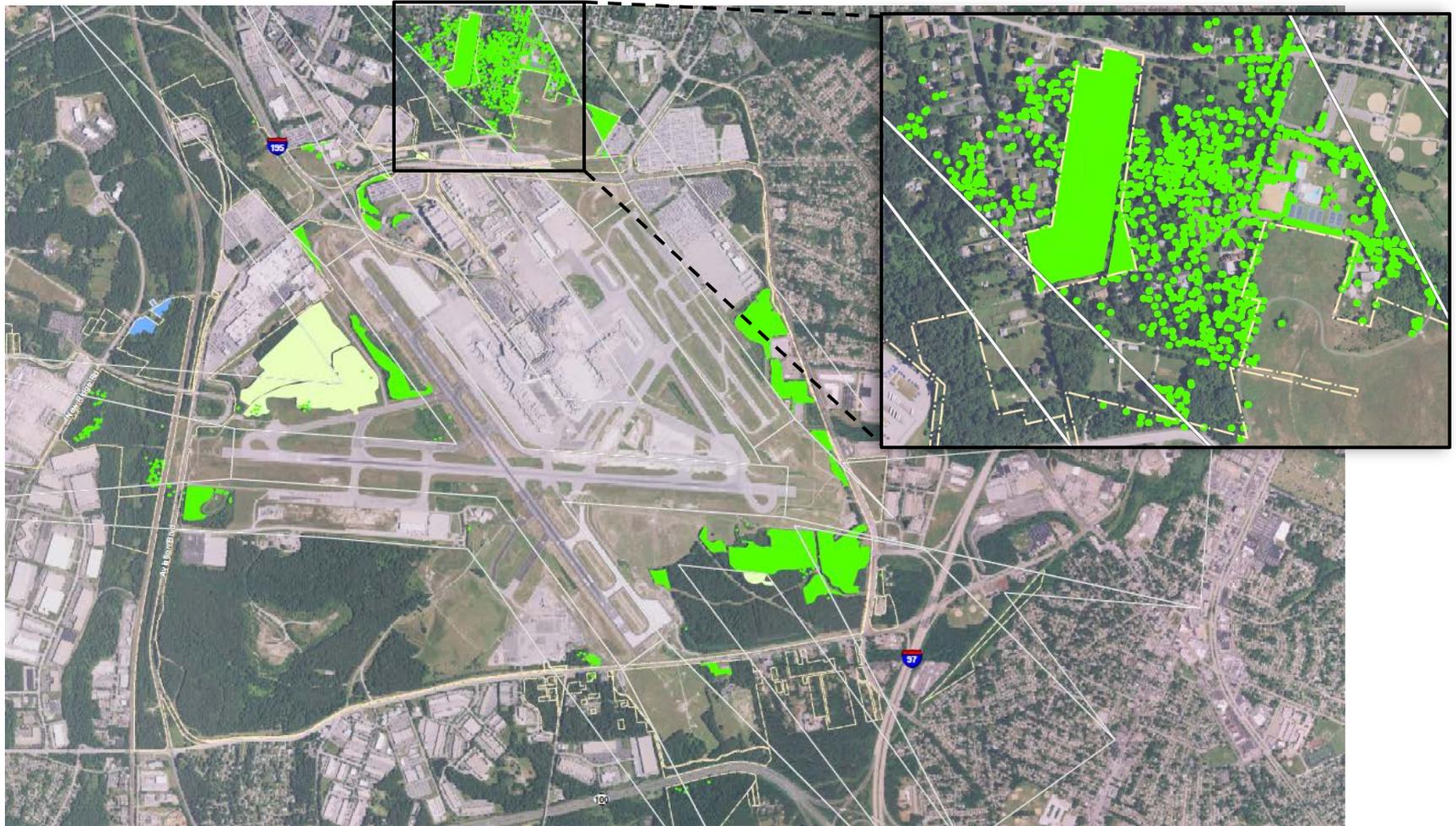


PART 77 SURFACES



* Source: January 2015 ALP

OFF-AIRPORT TREE REMOVAL

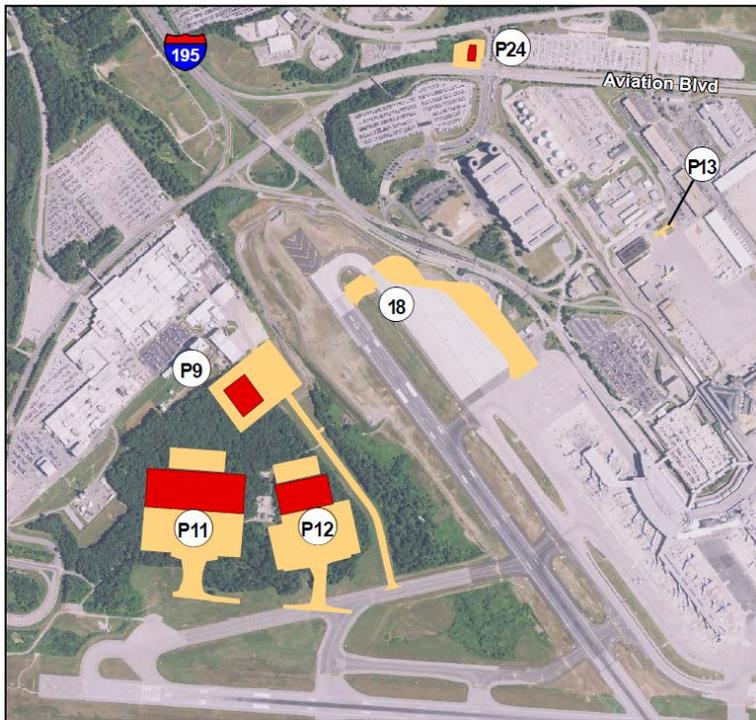


PURPOSE AND NEED

➤ Accommodate Existing and Anticipated Demand

▪ Support Facility Improvements

- Northrop Grumman Hangar (P9)
- New Aircraft Maintenance Facilities (P11, P12)
- Runway Deicing Chemical Storage and Access Road (P13)
- New Terminal Response Fire Station (P24)
- Airport Maintenance Complex Relocation and Consolidation (P30)
- Runway 15R Deicing Pad Expansion (18)



PRELIMINARY PROJECT ALTERNATIVES

No Action Alternative

- Required for environmental analysis
- BWI Marshall Airport would remain in its current state without any proposed action(s)

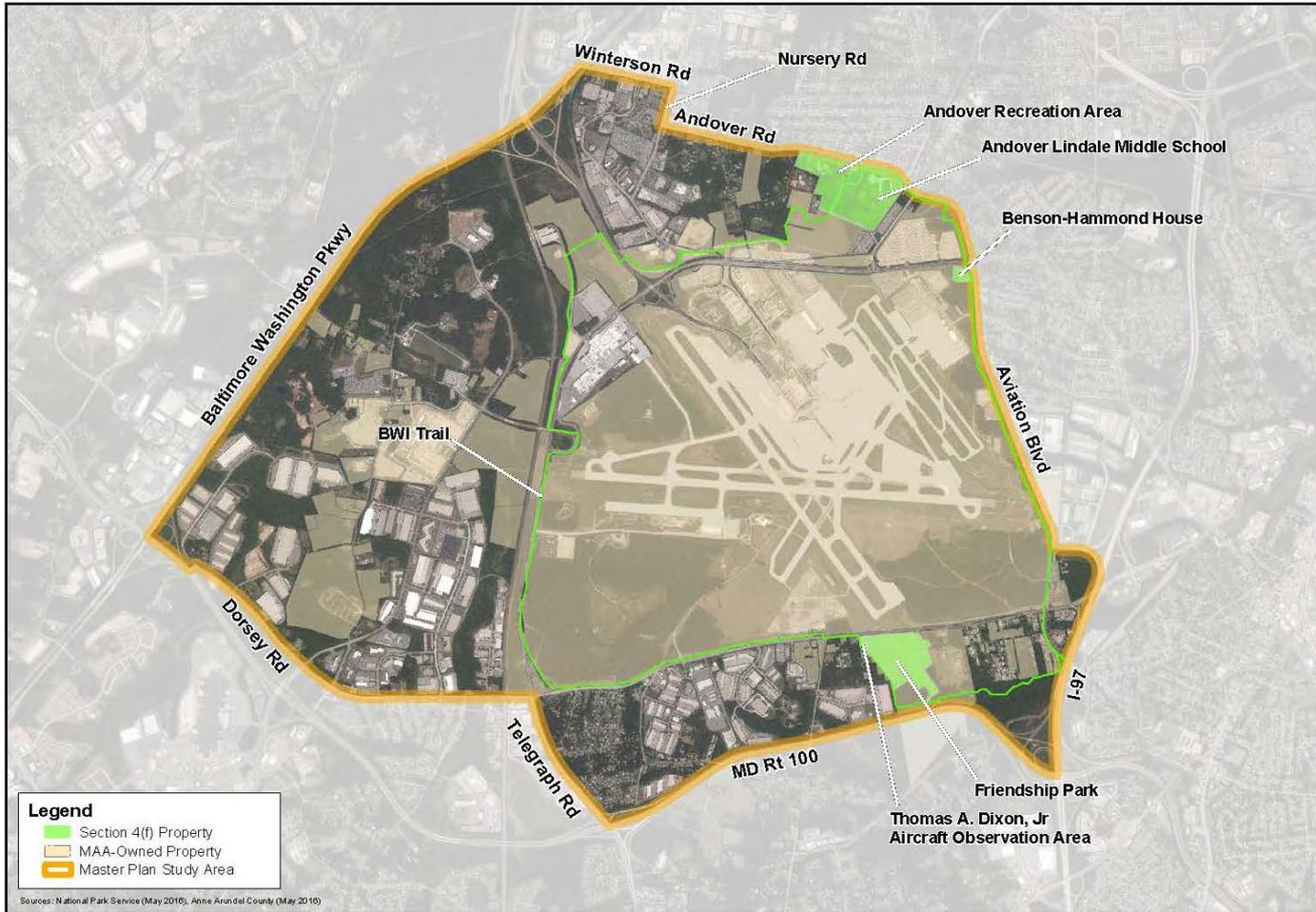
Proposed Action Alternative

- 2016-2020 Proposed Improvements shown on current ALP

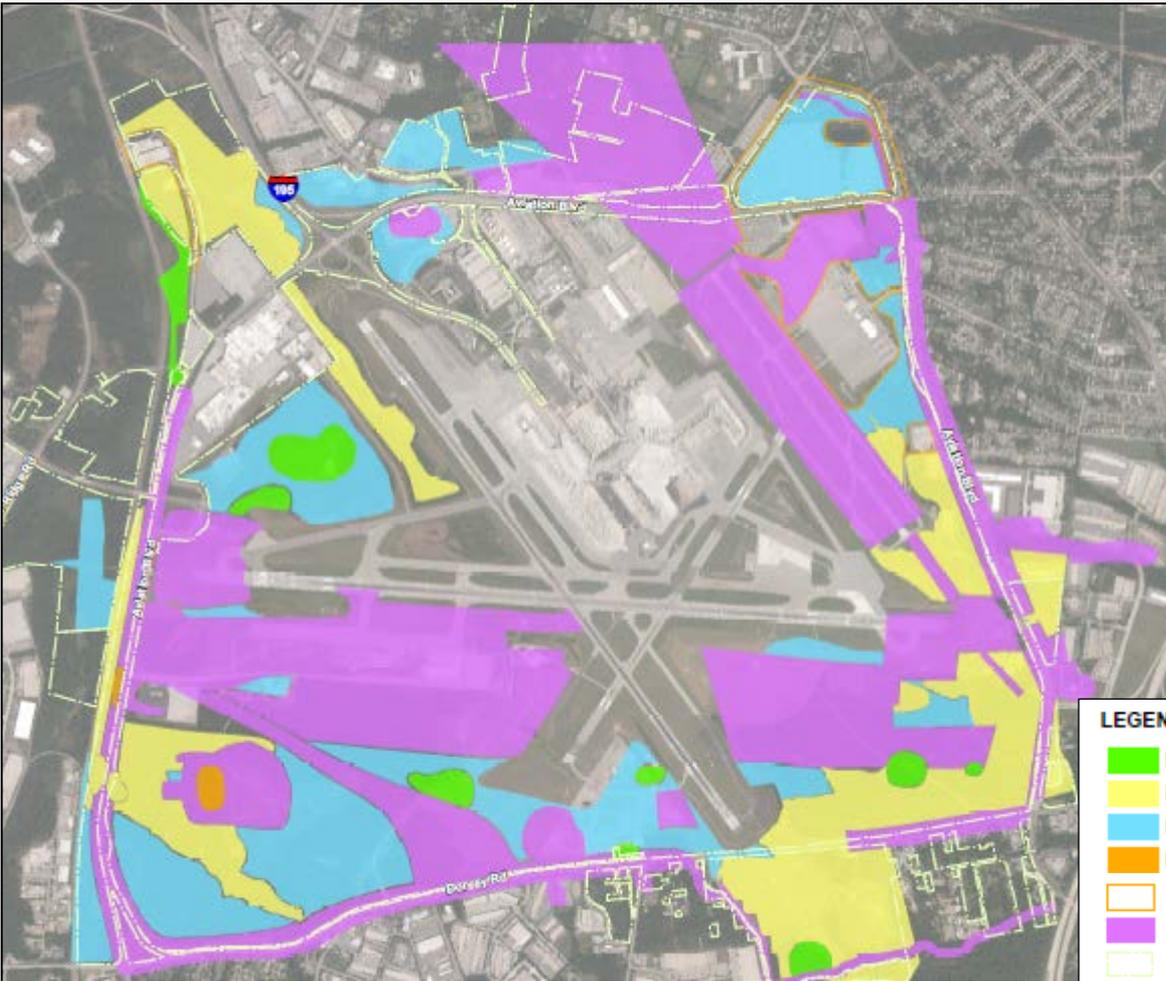
Other Action Alternative

- Alternative to be developed, by reviewing proposed improvements (by project), to minimize environmental impacts, where possible

SECTION 4(f) RESOURCES



HISTORIC & ARCHAEOLOGICAL RESOURCES



- BWI Marshall Airport Historic Preservation Plan
- Ongoing archaeological fieldwork

LEGEND

- HIGH PROBABILITY FOR HISTORIC SITES
- HIGH PROBABILITY FOR HISTORIC SITES - BURIED DEPOSITS
- MODERATE TO LOW PROBABILITY FOR PREHISTORIC AND HISTORIC SITES
- NATIONAL REGISTER-ELIGIBLE SITE
- NO PROBABILITY FOR SITE
- PREVIOUSLY EVALUATED - NO ADDITIONAL ARCHAEOLOGICAL STUDY REQUIRED
- AIRPORT PROPERTY BOUNDARY

ANTICIPATED ENVIRONMENTAL IMPACT ANALYSIS

Category 1 Detailed analysis.	Air Quality
	Biological resources
	Coastal Resources
	Historical, Architectural, Archaeological, and Cultural Resources
	Department of Transportation, Section 4(f)
	Visual Effects
	Water Resources, including wetlands, floodplains, and Surface Waters
Category 2 Some analysis.	Climate
	Land Use
	Hazardous Materials, Solid Waste, and Pollution Prevention
	Noise and Noise-Compatible Land Use
	Natural Resources and Energy Supply
	Socioeconomic Impacts, Environmental Justice, and Children’s Environmental Health and Safety Risks
	Cumulative Impacts
Category 3 Minimal analysis.	Farmlands

PRELIMINARY SCHEDULE

TASK	2016							2017										
	June	July	August	September	October	November	December	January	February	March	April	May	June	July	August	September	October	November
Scoping			■	■														
Impact Analysis	■	■	■	■	■	■	■	■										
Draft EA							■	■	■	■	■	■						
Draft EA Comment Period												■	■					
Response to Comments													■	■	■			
Final EA															■	■	■	
NEPA Finding																		■

COMMENTS AND DISCUSSION

- Submit Scoping comments to:

Ms. Robin M. Bowie
Acting Director, Office of Environmental Services
Maryland Aviation Administration
P.O. Box 8766
BWI Airport, MD 21240
rbowie@bwiairport.com

- Please submit comments by **September 9** to ensure your input is considered early in the EA process.

Agency Scoping Meeting Agenda

**ENVIRONMENTAL ASSESSMENT
FOR PROPOSED IMPROVEMENTS 2016 – 2020
BWI MARSHALL AIRPORT**

AGENCY SCOPING MEETING

AGENDA

August 25, 2016

- **Introductions**

- **Presentation**

- **Discussion**
 - **Contacts for future coordination**

 - **New regulations or guidance to consider**

Agency Scoping Sign-In Sheet

**Environmental Assessment for Proposed Improvements 2016-2020 at
Baltimore / Washington International Thurgood Marshall Airport
Agency Scoping Meeting
August 25, 2016
10:00 am - Maryland Department of Transportation Aviation Administration Offices**



Name	Organization	E-Mail
Stacy Talmadge	HNTB	stalmadge@hntb.com
Horace Henry	DNR	horace.henry@maryland.gov
Caroline Pinegar	HNTB	cpinegar@hntb.com
Lynla Lange	JMT	llange@jmt.com
Stacey Gill	JMT	sgill@jmt.com
R. Scott Healey	USDA APHIS WILDLIFE SERVICES	RONALD.S.HEALEY@APHIS.USDA.GOV
Robin Bowie	MAA	RBOWIE@BWI.AIRPORT.COM
KIM HUGHES	HNTB	khughes@hntb.com
Rich Kibby	COE	richard.kibby@usace.army.mil
Dawn Thomas	Rec & Parks	rpthom@aacounty.org
Marky Garrity	AACO Rec & Parks	mpgarr@aacounty.org
Adam Smith	" / "	rpsmit@aacounty.org

**Environmental Assessment for Proposed Improvements 2016-2020 at
 Baltimore / Washington International Thurgood Marshall Airport
 Agency Scoping Meeting
 August 25, 2016
 10:00 am - Maryland Department of Transportation Aviation Administration Offices**



Name	Organization	E-Mail
Darline Terrell-Tyson	MAA	dterrell-tyson@bwiairport.com
Shawn Ames	MAA	Sames@bwiairport.com
John Hurt	MAA	jhurt@bwiairport.com
Vonzele C. Perry	MAA / DFP	vperry1@bwiairport.com

Attachment 4:
Scoping Comments

Agency Scoping Comments

----- Original message -----

From: Beth Cole - MHT <beth.cole@maryland.gov>

Date: 8/30/2016 3:49 PM (GMT-05:00)

To: Robin Bowie <rbowie@bwiairport.com>

Subject: Re: Question from Agency Coordination Meeting

Hi Robin,

You may want to start with FAA to find out what their policy and procedures are regarding tribal consultation - as it is government to government consultation that should be done at the federal level.

- We have no federal tribes who reside or have lands in MD, but there are federal tribes who have interests in Maryland resources and ancestral ties to Maryland. Our website has some basic guidance and links to resources: http://mht.maryland.gov/projectreview_tribalconsult.shtml
- Each federal agency has taken their own approach to the requirements for consulting with federally recognized tribes. The Corps of Engineers/Baltimore District includes consultation with the Delaware Tribe in their permit reviews, so that is why they mentioned it to you as they would need to involve them if you have not already done so in project planning.
- FHWA and the Maryland State Highway Administration have taken the most proactive approach to considering what federal tribes to consult with here in Maryland. I've attached a copy of the list of federal tribes that FHWA/SHA consult with for their Maryland projects, for your reference.
- The Advisory Council on Historic Preservation also has some useful guidance on their website regarding tribal consultation: <http://www.achp.gov/nap.html>.

I'm assuming FAA has some direction they can provide on this topic. Generally, tribes are interested in projects with the potential to impact prehistoric archeological sites and definitely want to be involved in any issues involving Native American human remains. Let me know if you have further questions. Have a good afternoon,

Beth

Beth Cole

Administrator, Project Review and Compliance

Maryland Historical Trust

100 Community Place

Crownsville, MD 21032

beth.cole@maryland.gov

410-514-7631

mht.maryland.gov

On Fri, Aug 26, 2016 at 12:31 PM, Robin Bowie <rbowie@bwairport.com> wrote:

Hi, Beth:

I hope you had a nice weekend! I wanted to touch base with you regarding a question that Rich Kibby with USCOE asked on Thursday. He asked me whether we were coordinating with the Delaware Tribe as a part of the EA. Can you help me as to what this means and/or entails? Thanks in advance!

Ms. Robin M. Bowie

Acting Director, Office of Environmental Services

Maryland Department of Transportation Aviation Administration

410-859-7103 (office)

410-859-7082 (fax)

rbowie@bwairport.com

Mailing Address

P.O. Box 8766

BWI Airport, MD 21240

Overnight Shipping Address

991 Corporate Boulevard

Linthicum, MD 21090



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Contact Information for Federally Recognized Tribes for SHA Consultation

(8-18-16)

Send Project Notification Forms and Project Information Forms to individuals in bold.

Haudenosaunee Tribes

Oneida Indian Nation

<http://www.oneidaindiannation.com/>

Raymond Halbritter, Nation Representative
5218 Patrick Road
Verona, NY 13478

315-829-8900
315-361-7619 FAX

Jesse Bergevin, Historic Resources Specialist
2037 Dream Catcher Plaza
Oneida, NY 13421-0662

315-829-8463
315.829.8473 Fax
jbergevin@oneida-nation.org

Onondaga Nation

<http://www.onondagation.org/>

Chief Irving Powless, Jr.
Onondaga Nation
P. O. Box 319-B
Nedrow, NY 13120

315-492-1922
315-469-4717 FAX

Mr. Joseph Heath, General Counsel
Onondaga Nation

315-475-2559

Anthony Gonyea, Faithkeeper (Beaver Clan)
Onondaga Nation
RR #1, Box 245
Nedrow, NY 13120

315-952-3109
ononcomm@gmail.com
(also send hard copy)

Saint Regis Mohawk Tribe

<http://www.srmt-nsn.gov/>

Chief Beverly Cook - Term 2013 to 2016
Chief Ron LaFrance Jr. - Term 2014 to 2017
Chief Eric Thompson - Term 2015 to 2018
(Three chiefs with staggered terms)

518-358-2272
518-358-4519 FAX
Same address as below

Mr. Arnold Printup, THPO
Saint Regis Mohawk Tribe
412 State Route 37
Akwesasne, NY 13655

518-358-2272 ext. 164
518-358-3203 FAX
arnold.printup@srmt-nsn.gov

Tuscarora Nation

www.tuscaroraenvironment.org

Chief Leo R. Henry
Tuscarora Nation
2006 Mt. Hope Road
Lewistown, NY 14092

716-601-4737
716-297-7355 FAX

Mr. Bryan Printup
Tuscarora Nation, Chiefs Council
5226 Walmore Road
Lewiston, NY 14032

716-264-6011
bprintup@hetf.org

Seneca-Cayuga Nation

<http://www.sctribe.com/>

William L. Fisher, Chief
23701 South 655 Road
Grove, OK 74344

918-787-5452
918-787-5521
wfisher@sctribe.com

Micco Emarthia, THPO
PO Box 45322
Grove, OK 74345-3022

Tel: 918.787.5452 ext 342
Fax: 918.787.9440
memarthla@sctribe.com

Delaware Tribes

The Delaware Nation

<http://www.delawarenation.com/>

Mr. Kerry Holton, Tribal President
The Delaware Nation
P.O. Box 825
Anadarko, OK 73005

405-247-2448, ext 1101
405-247-9393 FAX

Nekole Alligood, Director
Cultural Preservation Department
The Delaware Nation
P.O Box 825
31064 State Highway 281
Anadarko, OK 73005

405-247-2448, ext. 1180
405 247-8905 FAX
nalligood@delawarenation.com
if email fails then, and only then, use
alligoodnekole@rocketmail.com

Other Staff:
Corey Smith, Assistant Director

(405) 247-2448 Ext. 1405
csmith@delawarenation.com

Delaware Tribe of Indians

<http://delawaretribe.org/>

Chief Chester "Chet" Brooks
Delaware Tribe of Indians
5100 Tuxedo Blvd
Bartlesville, OK 74006

918-337-6590
918-337-6590 FAX
cbrooks@delawaretribe.org

Dr. Brice Obermeyer, THPO
Delaware Tribe Historic Preservation Office
1200 Commercial Street
Roosevelt Hall, RM 212
Emporia State University
Emporia, KS 66801

620-341-6699
bobermeyer@delawaretribe.org

Ms. Susan Bachor
Delaware Tribe Historic Preservation Representative
P.O. Box 64
Pocono Lake, PA 18347

610-761-7452
temple@delawaretribe.org

Blair Fink now has primary responsibility for NJ but can be contacted on SHA projects on which she has already commented

609-220-1047

Shawnee Tribes

Absentee-Shawnee Tribe of Oklahoma

<http://www.astribes.com/astribes/>

Governor Edwina Butler-Wolfe
Absentee-Shawnee Tribe of Oklahoma
2025 S. Gordon Cooper Drive
Shawnee, OK 74801

405-275-4030 ext. 188

Leonard Longhorn
Cultural Preservation Director/ THPO
Absentee-Shawnee Tribe of Oklahoma
2025 S. Gordon Cooper Dr
Shawnee, Oklahoma 74801

405-275-4030 ext. 203
405-878-4711 FAX
llonghorn@astribes.com

Eastern Shawnee Tribe

<http://www.estoo-nsn.gov/>

Chief Glenna J. Wallace
PO Box 350
Seneca, Missouri 64865

918-666-2435
918-666-2186 FAX

Ms. Robin Dushane, THPO
Cultural Preservation Director
Eastern Shawnee Tribe of Oklahoma
12705 South 705 Road
Wyandotte, OK 74370

918-666-2435 ext. 1845
918-533-4101 cell
918-533-4104 FAX
rdushane@estoo.net

(This tribe has multiple addresses including some in OK and some in MO. Use the above address for mailing.)

Shawnee Tribe

<http://www.shawnee-tribe.com/>

Chief Ron Sparkman
Shawnee Tribe
P.O. Box 189,
29 S Hwy 69A
Miami OK 74355

918 542-2441 (M-F 8-4:30)
(918) 542-2922 FAX
rondede1@gmail.com

Ms. Kim Jumper, THPO
Shawnee Tribe
P. O. Box 189
29 S Hwy 69A
Miami, OK 74355

918-542-2441
918-542-2922
kim.jumper@shawnee-tribe.com



United States Department of the Interior



FISH AND WILDLIFE SERVICE

Chesapeake Bay Field Office
17 Admiral Cochrane Drive
Annapolis, Maryland 21401
<http://www.fws.gov/chesapeakebay>

SEP -1 2016

MD AVIATION ADMINISTRATION
PLANNING & ENVIRONMENTAL SERVICES



May 21, 2014

Re: Quicker and easier online project review process for Delaware, Maryland and Washington, D.C.

To whom this concerns:

Although workloads continue to increase at the U.S. Fish and Wildlife Service's Chesapeake Bay Field Office, we are dedicated to providing the public with the best, most efficient service possible. Therefore, we have developed an online project review process to identify whether a project will or will not impact federally-listed endangered or threatened species in Delaware, Maryland and Washington, D.C.

We are asking all those with the capability to use this online process to go to:

<http://www.fws.gov/chesapeakebay/EndSppWeb/ProjectReview/Index.html>

Using this website will take approximately 15 minutes and you will receive an immediate answer regarding whether your project will potentially impact federally listed endangered or threatened species and, if need be, any further instructions. Please contact Trevor Clark of my staff at (410) 573-4527 or by email at Trevor_Clark@fws.gov if you have any questions about the online review process or are unable to use this online tool.

Sincerely,

Genevieve LaRouche
Supervisor

TAKE PRIDE[®]
IN AMERICA 



Larry Hogan
Governor

Boyd K. Rutherford
Lt. Governor

Pete K. Rahn
Secretary

Ricky D. Smith, Sr.
Executive Director/CEO

July 29, 2016

Mr. Trevor Clark
Project Review, Chesapeake Bay Field Office
US Fish and Wildlife Service
177 Admiral Cochran Drive
Annapolis MD 21401

Dear Mr. Clark:

The Maryland Aviation Administration (MAA) is initiating preparation of an Environmental Assessment (EA) to evaluate and disclose the potential environmental impacts associated with proposed improvements at Baltimore/Washington International Thurgood Marshall Airport (BWI Marshall Airport). The MAA is inviting your agency to participate in the scoping process for this EA. Your agency may participate by attending scoping meetings and/or providing comments.

The MAA is conducting scoping meetings to facilitate meaningful participation in the scoping process. A scoping meeting for interested federal, state and local agencies will be held on Thursday, August 25, 2016 at the MAA Offices located at 991 Corporate Boulevard, Linthicum, Maryland (directions are enclosed). The meeting will begin at 10:00 am and is expected to last approximately two hours. Project Team members will provide a presentation with project information. The presentation will be followed by a question and answer session. Attendance is encouraged as this is an opportunity for agencies to learn more about the proposed projects and indicate any issues and concerns regarding potential environmental impacts.

The MAA is also conducting a Public Scoping Meeting at their office on August 25, 2016 from 5:00 pm to 8:00 pm. Agency representatives are welcome to also attend the Public Scoping Meeting.

The MAA recognizes the value of comments, particularly during the scoping process. Scoping comments help to identify key issues early in the development of the EA. A Scoping Information Package is enclosed to provide useful information and facilitate informed commenting. The Scoping Information Package includes background information; describes the Proposed Action, presents the preliminary purpose and need, and alternatives; identifies the environmental impact categories most likely impacted; and provides a preliminary schedule.

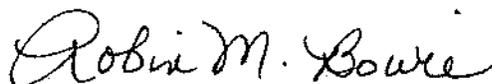
Mr. Trevor Clark
Page Two

Comments may be submitted at the scoping meetings, mailed to the following address, or provided via e-mail to rbowie@bwiairport.com. It is respectfully requested that all scoping comments be provided by September 9, 2016 in order to ensure early consideration.

Ms. Robin M. Bowie
Acting Director, Office of Environmental Services
Maryland Aviation Administration
P.O. Box 8766
BWI Airport MD 21240

The MAA hopes you will join us at 10:00 am on August 25, 2016. To confirm your attendance at the Agency Scoping Meeting or request further information, please do not hesitate to contact me directly at 410-859-7103 or via e-mail at rbowie@bwiairport.com.

Sincerely,

A handwritten signature in cursive script that reads "Robin M. Bowie".

Robin M. Bowie, Acting Director
Office of Environmental Services

Enclosures: Directions to MAA Offices
 Scoping Information Package

Overnight Shipping Address

991 Corporate Boulevard

Linthicum, MD 21090

<Blockedhttp://www.roads.maryland.gov/OCImages/511_logo_sm.JPG> Maryland now features 511 traveler information!

Call 511 or visit: Blockedwww.md511.org <Blockedhttp://www.md511.org/>

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Public Scoping Comments

From: Trish McCarron [REDACTED]
Sent: Wednesday, August 10, 2016 12:51 PM
To: Robin Bowie
Subject: RE: [REDACTED], Linghicum, MD 21090

Hi Robin,

I received your letter dated August 2, 2016 about the trees around [REDACTED]. Over 3 years ago we had to surrender the property in a Chapter 13 Bankruptcy case. Wells Fargo is the bank you should contact concerning this property. We have no right or say over this property, the address I have for Wells Fargo Home Mortgage is PO Box 10368, Des Moines, IA 50306-0368.

Sorry I cannot be of any further assistance,

Trish McCarron

[REDACTED]

[REDACTED]

[REDACTED]

Environmental Assessment – Tree trimming and removal comments

1. Anne Arundel County changed the zoning on a large tract of property between Maryland Ave and West Nursery Rd. in January 2016 from R1 to BWI mixed use overlay. This area is planned for multi story townhouse, office building, and hotel construction. The White Ave residents were told by the county and the developer that we were not impacted by the plans since we have a natural visual buffer, the trees on our lots and on the lots between White Ave and Md. Ave. This should be on record from the AACO council meeting January 2016. Also this was stated during the developer-community meeting held by the LSIA, Linthicum Shipley community association, during fall 2015. If you remove or lower these trees we demand the airport force AACO to reverse this zoning change since it was made with one of the conditions implied being the White Ave residents keeping this forested buffer.
2. Our lots are narrow and many are landscaped as desired, truck access would be impractical and destructive as the ground is very soft since this neighborhood has no storm drains to control flooding.
3. Trees provide shade and lower our summer utility bills.

Thank you,

Lawrence M. Dorosz

[REDACTED]

1. Would like specifics on the addresses involved.
2. Object less to tree topping where needed than full tree removal (unless the tree is in bad shape anyway).
3. I like the shade that the trees on my property provide and would not like to lose this asset. I am very sensitive to mid-day sunlight and the shaded area allows me to go outside on sunny days. It will be an issue for me if this is removed.
4. We need as much of a visual buffer as possible between White Ave and the very extensive development planned for the Maryland/Harrison corridor. Please keep the trees there.
5. Please keep me informed.

Submitted by Glen Haller, [REDACTED]
[REDACTED]

From: Tim Ramsey [REDACTED]
Sent: Saturday, August 27, 2016 11:41 AM
To: Robin Bowie
Subject: Airport noise

Dear Ms Bowie,

My name is Tim Ramsey and I am the President of the Crestwood Improvement Association, a Civic organization in Linthicum containing 200 homes. My concern is with the development of the new maintenance facility at the airport. This could lead to more noise from the Jets when they do the engine Run up's. I would be very interested in seeing the results of the sound test that may be done for this facility. Is there any noise abatement projects included in this new development. I received complains constantly about the noise when they do the engine run ups at times it's so bad it will make the dishes rattle. You can reach me at this email address or my cell phone which is [REDACTED] Thank you so much.

Sent from my Verizon, Samsung Galaxy smartphone



Environmental Assessment for Proposed Improvements 2016-2020 at Baltimore / Washington International Thurgood Marshall Airport

Scoping Comment Form

The Maryland Department of Transportation Aviation Administration (MAA) values your comments on the forthcoming Environmental Assessment for the Proposed Improvements 2016-2020 at Baltimore / Washington International Thurgood Marshall Airport (BWI Marshall Airport). Please either return this form as you leave the scoping meeting, or send it to Ms. Robin M. Bowie by folding and mailing with postage to the address on the reverse side. It is respectfully requested that you provide your comments by September 9, 2016.

MAA Staff & EA Consultants,

I recently attended the EA meeting to learn more about the vegetative obstruction removal on my property. I was very upset and disturbed to learn that there is a real possibility that you would want to cut my trees to the ground! Oh no! I came with the impression of learning how you would trim the trees like was done years ago.

I do not want to lose any of my oak trees. My yard holds many memories! Those trees have held many piñata's for my grandchildren during family reunions and birthdays each year; they have held tree swings; they've mounted flowers for my granddaughter's wedding; provided needed shade during 18th birthday celebrations; high school and college graduations, badminton, horseshoes & even volleyball. They've seen retirement parties, help block the setting sun, and provide a buffer for your airport sounds.

When I look out my kitchen window, I see and feel these memories all the time. Unfortunately, when the airport officials look, they would only see the trees.

Your Proposed Improvements plan is very impressive and I fully appreciate your effort in working with the surrounding area businesses and communities. In the realm of this massive project, I am sure that you could save these "gems" and trim them properly. Please consider my request to save my trees. I cannot let you take them to the ground. Thank you. *Kathleen Nappi*

Please provide your name and address below.

Name: *Kathleen Nappi*
Address: [REDACTED]

Thank you for your time and for your participation in the EA process!

SFP 20 2016

**Environmental Assessment for
Proposed Improvements 2016-2020 at
Baltimore / Washington International
Thurgood Marshall Airport**

MD AVIATION ADMINISTRATION
ENVIRONMENTAL SERVICES

7. If you are cutting our trees are you going to
also take r 52 **Scoping** townhouse to be built
in area of Anderson Rd
& Nursery Rd. **Comment Form**

The Maryland Department of Transportation Aviation Administration (MAA) values your comments on the forthcoming Environmental Assessment for the Proposed Improvements 2016-2020 at Baltimore / Washington International Thurgood Marshall Airport (BWI Marshall Airport). Please either return this form as you leave the scoping meeting, or send it to Ms. Robin M. Bowie by folding and mailing with postage to the address on the reverse side. It is respectfully requested that you provide your comments by September 9, 2016.

Sorry this is late.

① When these trees (~200) are cut down what is that going to do to the noise level on White Ave. & surrounding area.

② If noise levels are severely impacted what do you intend to do to abate the increased noise.

③ Why so many trees in front of airport when we are located

④ Will these trees be for the Freight Airport or for BWI airport's benefit

⑤ Do you intend to change air flight patterns @ either airport.

Please provide your name and address below.

Name: _____

Address: _____

Thank you for your time and for your participation in the EA process!

⑥ Will we be getting more traffic over the White Ave. and surrounding area

From: Laura Brown [REDACTED]

Sent: Tuesday, September 20, 2016 8:33 PM

To: Robin Bowie

Subject: Re: BWI Marshal Airport Expansion Concerns

Hello Ms. Bowie,

Thank you for your response, but as I sit here in my family room answering e-mails, I heard a plane fly overhead at 8:30 pm. Last night as I slept a plane awoke me from my sleep at 10:50 pm. You see I am a teacher and I get up at 4:40 am to get to work, so after 10:00 am I am sleep for the night. Last week my mother was awakened at 6:00 am by a plane flying overhead. Big profits for BWI and the airlines should not be at the cost of our quality of living.

From: Robin Bowie <rbowie@bwiairport.com>

Sent: Friday, September 9, 2016 11:18 AM

To: 'Laura Brown'

Subject: RE: BWI Marshal Airport Expansion Concerns

Ms. Brown:

We are in receipt of your comment. All comments will be considered in the development of the Draft

Ms. Robin M. Bowie

Acting Director, Office of Environmental Services

Maryland Department of Transportation Aviation Administration

410-859-7103 (office)

410-859-7082 (fax)

rbowie@bwiairport.com

Mailing Address

P.O. Box 8766
BWI Airport, MD 21240

Overnight Shipping Address

991 Corporate Boulevard
Linthicum, MD 21090

From: Laura Brown [REDACTED]
Sent: Thursday, September 08, 2016 5:30 PM
To: Robin Bowie
Subject: BWI Marshal Airport Expansion Concerns

Hello Ms. Bowie,

I am Laura Brown and I live in Hanover. I am happy the BWI Marshall airport is growing and doing well. I am concerned about noise from the airplanes, more traffic on 295, 100 and other roads. I am also concerned about the bike trail around the airport. I love it and I hope the new plans do not destroy the bike trails. In fact the air park parking lot could be a lot bigger. I live in Hanover, MD.

Thank you.

Laura Jeanette Brown 🇺🇸

Check out my Parcel of Prayers blog. The link is below. Be blessed.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]



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Attachment 5:
Public Scoping Materials

Public Scoping Display Boards



WELCOME

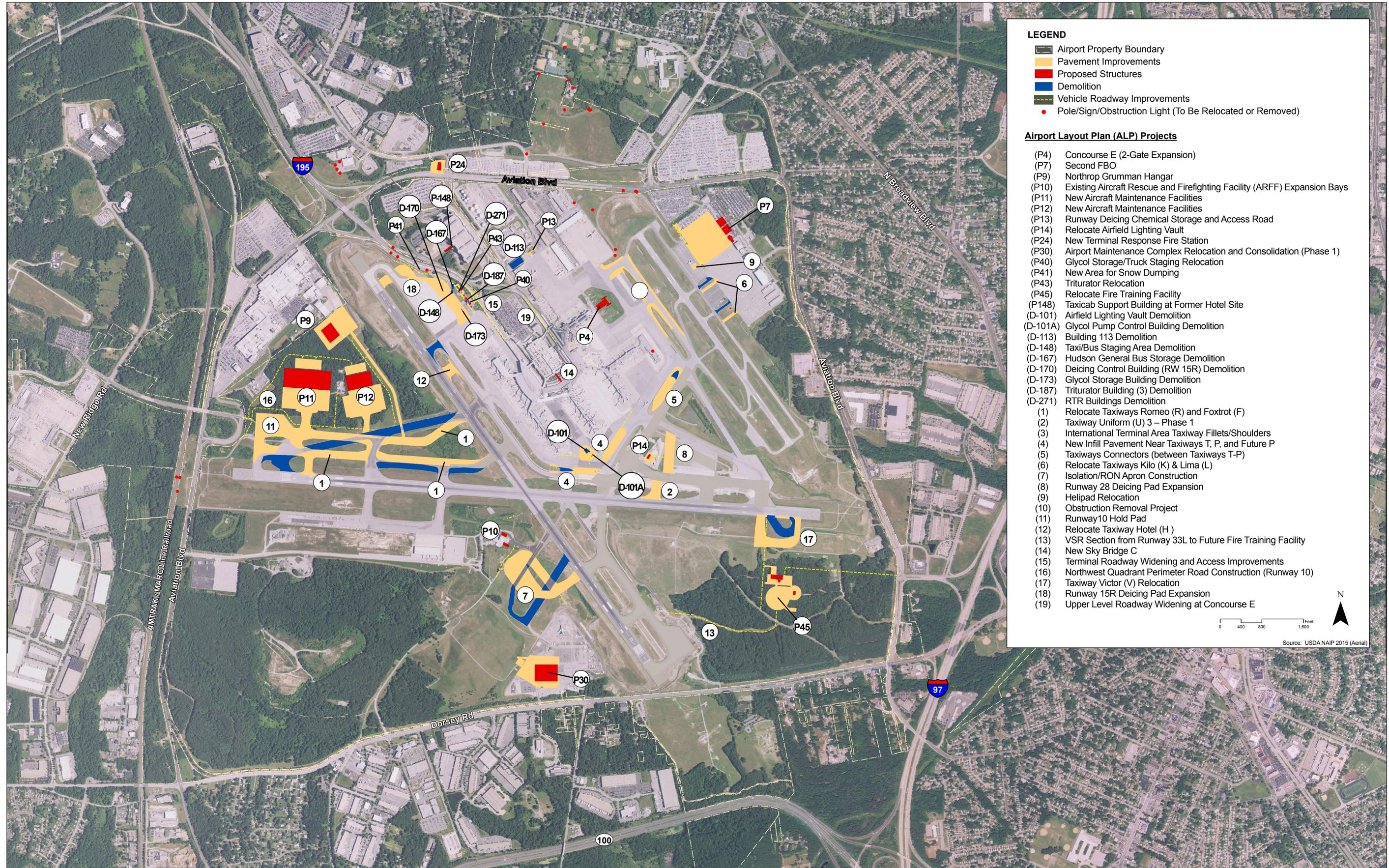
Environmental Assessment for Proposed Improvements 2016-2020 at BWI Marshall Airport

August 25, 2016



Proposed Action

Environmental Assessment for Proposed Improvements 2016-2020



LEGEND

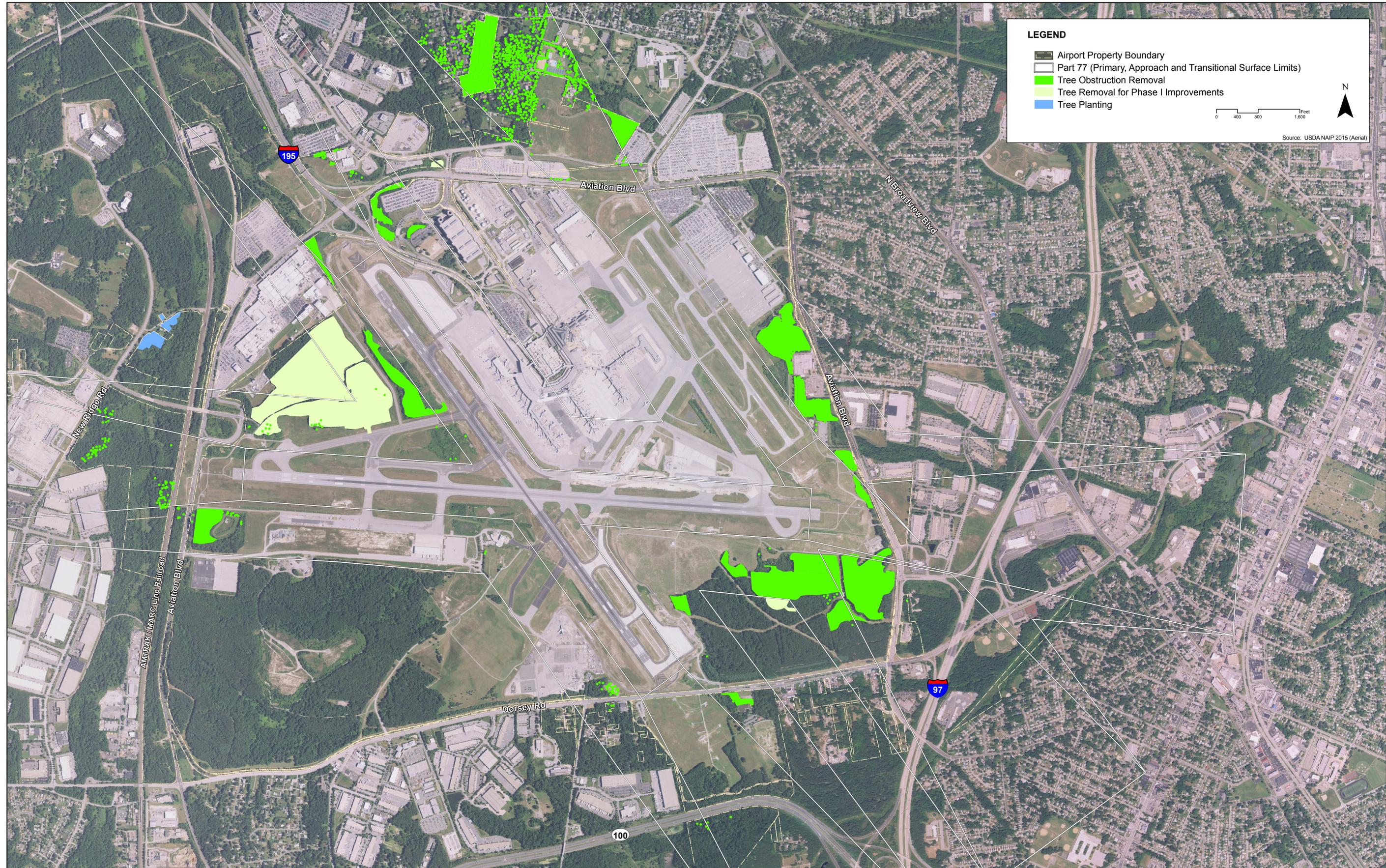
- Airport Property Boundary
- Pavement Improvements
- Proposed Structures
- Demolition
- Vehicle Roadway Improvements
- Pole/Sign/Obstruction Light (To Be Relocated or Removed)

Airport Layout Plan (ALP) Projects

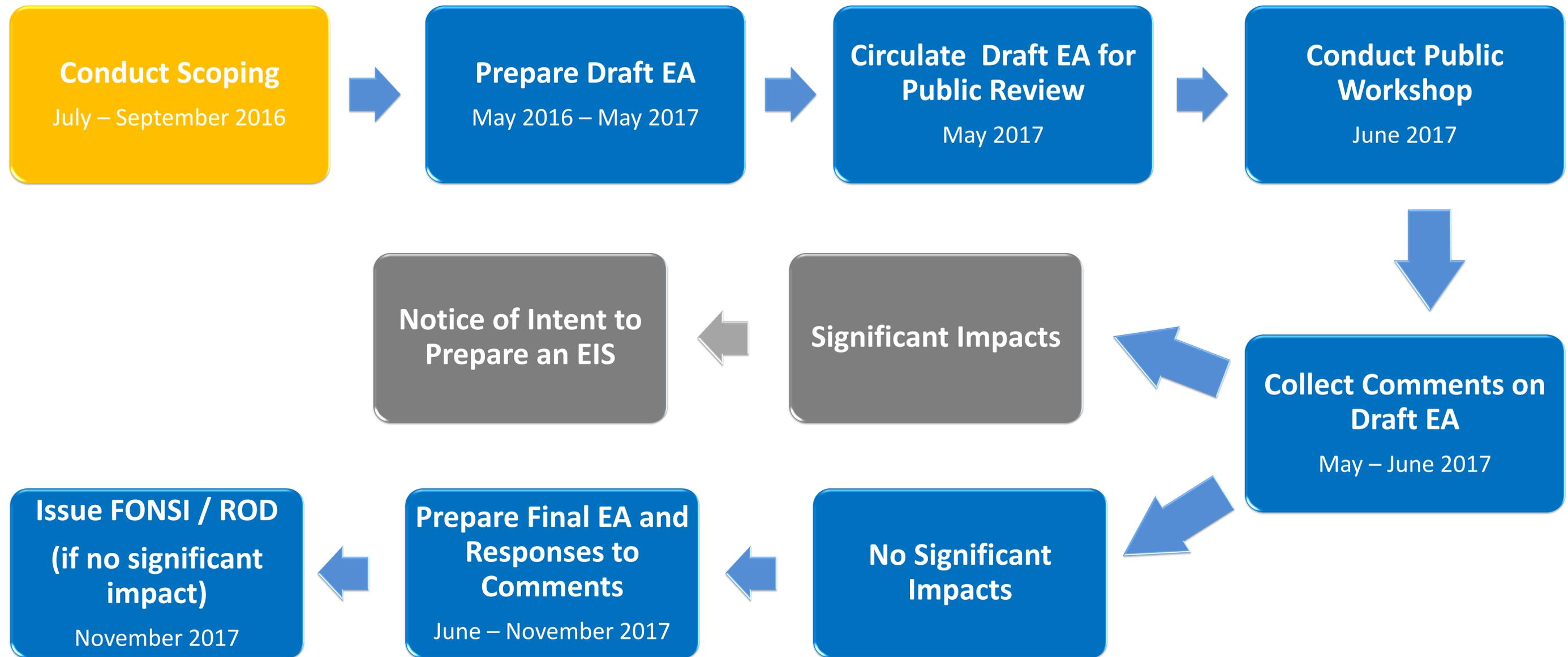
- (P4) Concourse E (2-Gate Expansion)
- (P7) Second FBO
- (P9) Northrop Grumman Hangar
- (P10) Existing Aircraft Rescue and Firefighting Facility (ARFF) Expansion Bays
- (P11) New Aircraft Maintenance Facilities
- (P12) New Aircraft Maintenance Facilities
- (P13) Runway Deicing Chemical Storage and Access Road
- (P14) Relocate Airfield Lighting Vault
- (P24) New Terminal Response Fire Station
- (P30) Airport Maintenance Complex Relocation and Consolidation (Phase 1)
- (P40) Glycol Storage/Truck Staging Relocation
- (P41) New Area for Snow Dumping
- (P43) Triturator Relocation
- (P45) Relocate Fire Training Facility
- (P148) Taxicab Support Building at Former Hotel Site
- (D-101) Airfield Lighting Vault Demolition
- (D-101A) Glycol Pump Control Building Demolition
- (D-113) Building 113 Demolition
- (D-148) Taxi/Bus Staging Area Demolition
- (D-167) Hudson General Bus Storage Demolition
- (D-170) Deicing Control Building (RW 15R) Demolition
- (D-173) Glycol Storage Building Demolition
- (D-187) Triturator Building (3) Demolition
- (D-271) RTR Buildings Demolition
- (1) Relocate Taxiways Romeo (R) and Foxtrot (F)
- (2) Taxiway Uniform (U) 3 – Phase 1
- (3) International Terminal Area Taxiway Fillets/Shoulders
- (4) New Infill Pavement Near Taxiways T, P, and Future P
- (5) Taxiways Connectors (between Taxiways T-P)
- (6) Relocate Taxiways Kilo (K) & Lima (L)
- (7) Isolation/RON Apron Construction
- (8) Runway 28 Deicing Pad Expansion
- (9) Helipad Relocation
- (10) Obstruction Removal Project
- (11) Runway 10 Hold Pad
- (12) Relocate Taxiway Hotel (H)
- (13) VSR Section from Runway 33L to Future Fire Training Facility
- (14) New Sky Bridge C
- (15) Terminal Roadway Widening and Access Improvements
- (16) Northwest Quadrant Perimeter Road Construction (Runway 10)
- (17) Taxiway Victor (V) Relocation
- (18) Runway 15R Deicing Pad Expansion
- (19) Upper Level Roadway Widening at Concourse E

Source: USDA NAIP 2015 (Aerial)

Proposed Action - Vegetation

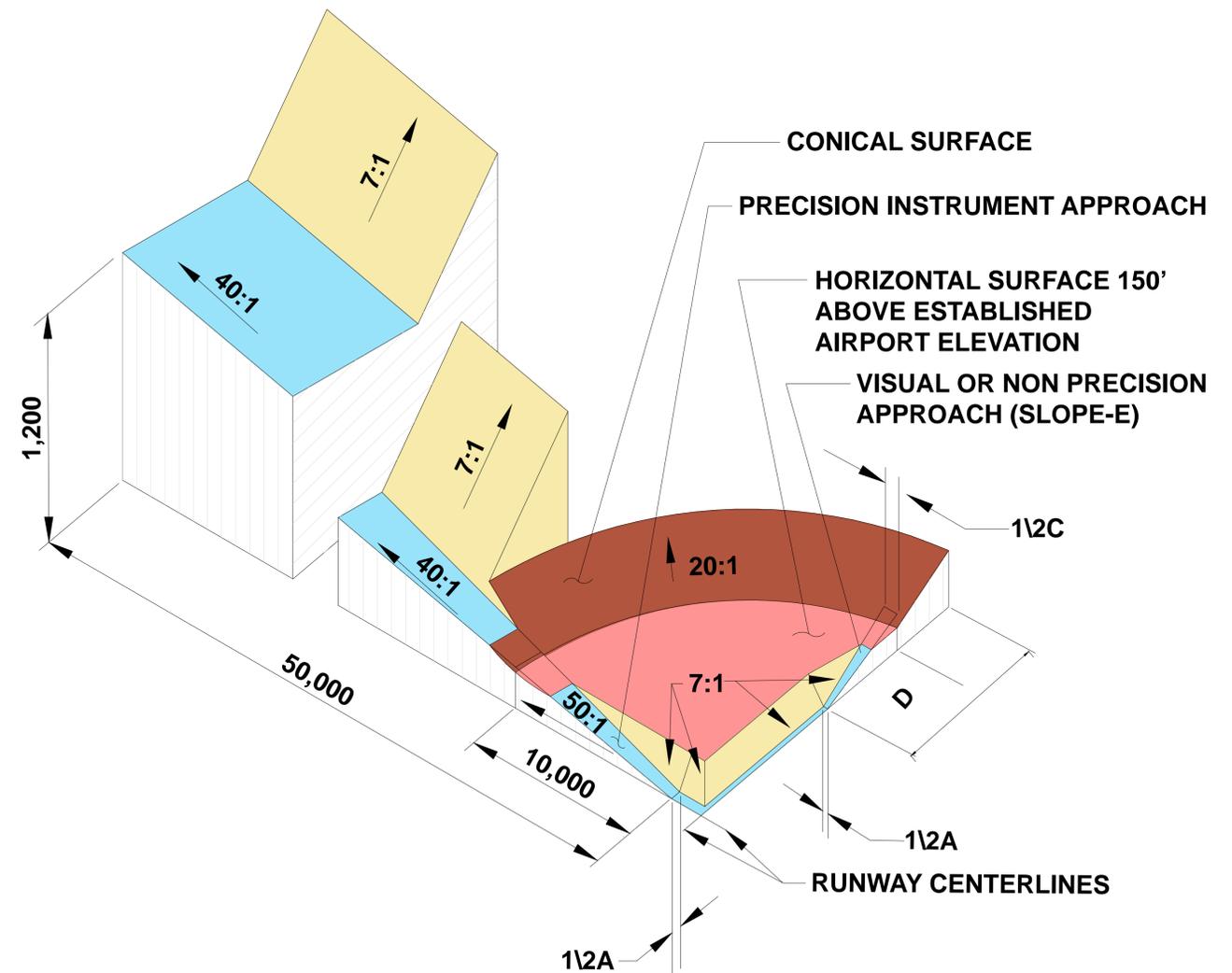
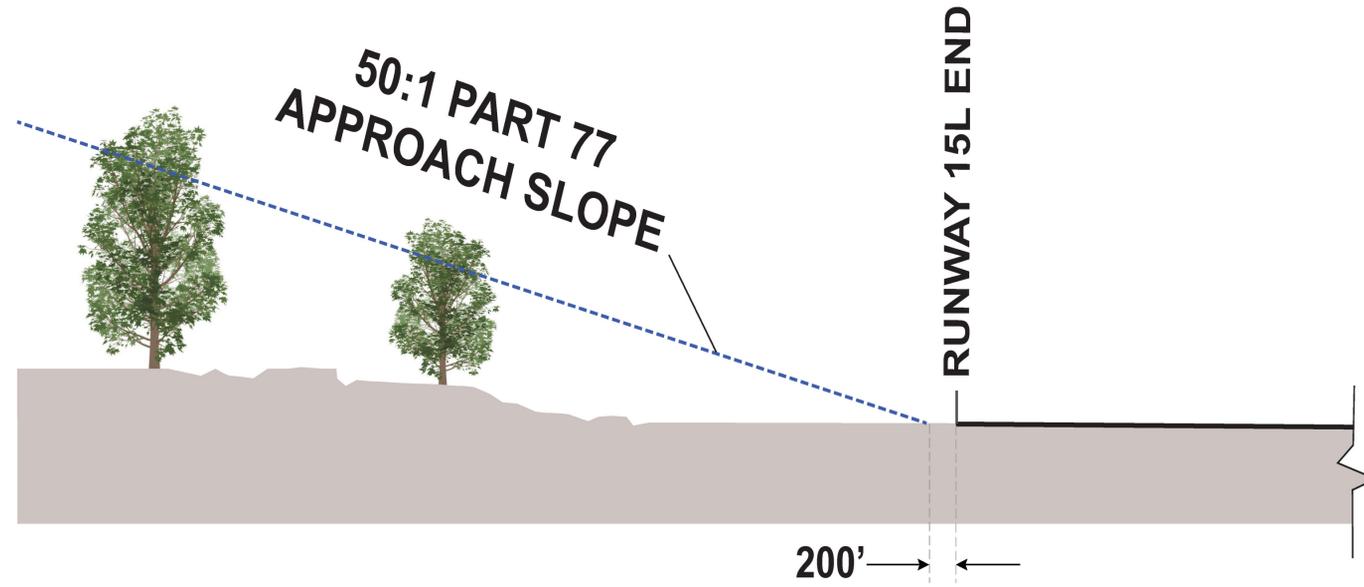


Environmental Assessment Process and Timeline*



*Dates are preliminary and are subject to change.

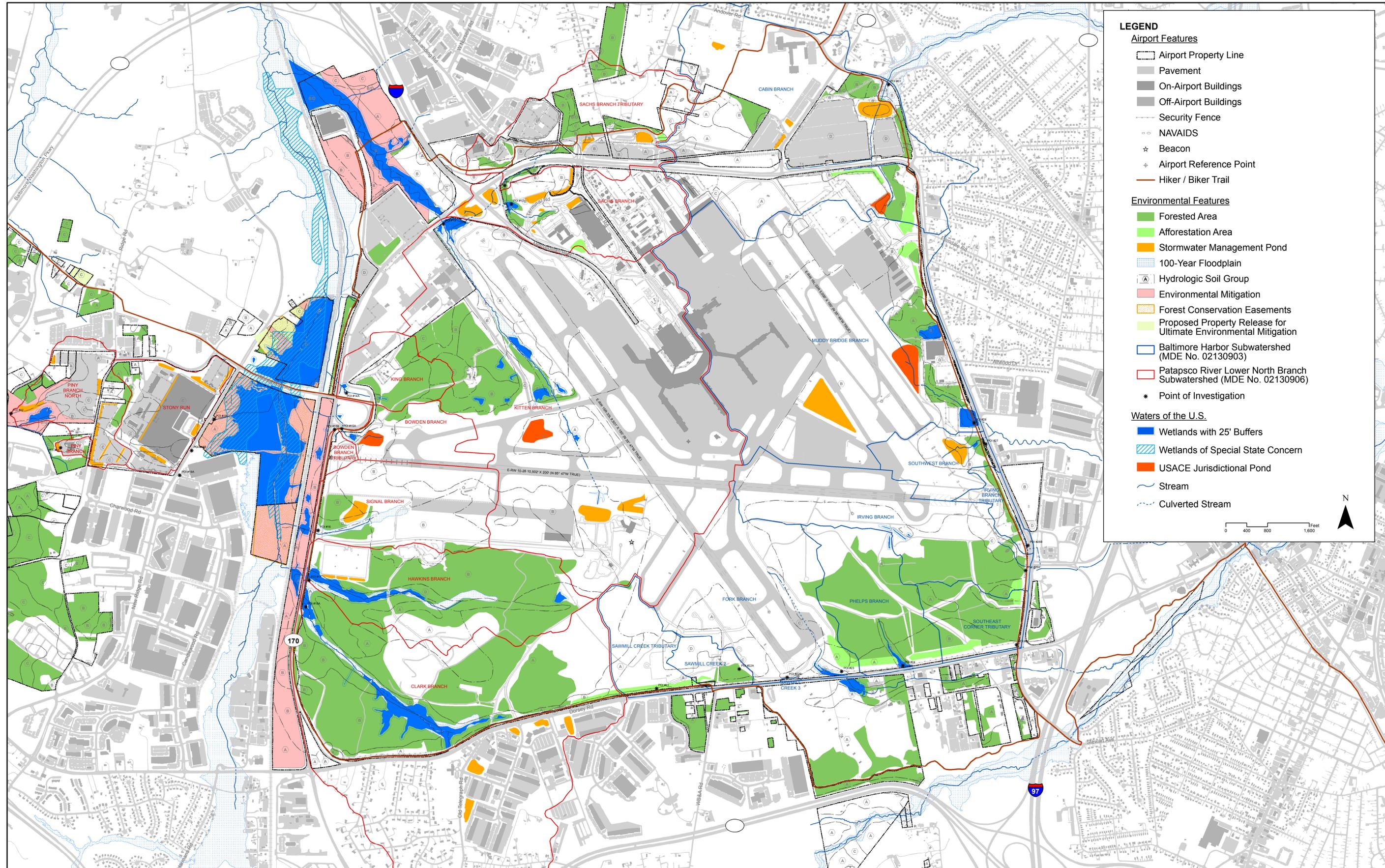
Obstruction Removal Surfaces



*SOURCE: JANUARY 2015 ALP

Natural Resources Inventory

Environmental Assessment for Proposed Improvements 2016-2020



LEGEND

Airport Features

- Airport Property Line
- Pavement
- On-Airport Buildings
- Off-Airport Buildings
- Security Fence
- NAVAIDS
- Beacon
- Airport Reference Point
- Hiker / Biker Trail

Environmental Features

- Forested Area
- Afforestation Area
- Stormwater Management Pond
- 100-Year Floodplain
- Hydrologic Soil Group
- Environmental Mitigation
- Forest Conservation Easements
- Proposed Property Release for Ultimate Environmental Mitigation
- Baltimore Harbor Subwatershed (MDE No. 02130903)
- Patapsco River Lower North Branch Subwatershed (MDE No. 02130906)
- Point of Investigation

Waters of the U.S.

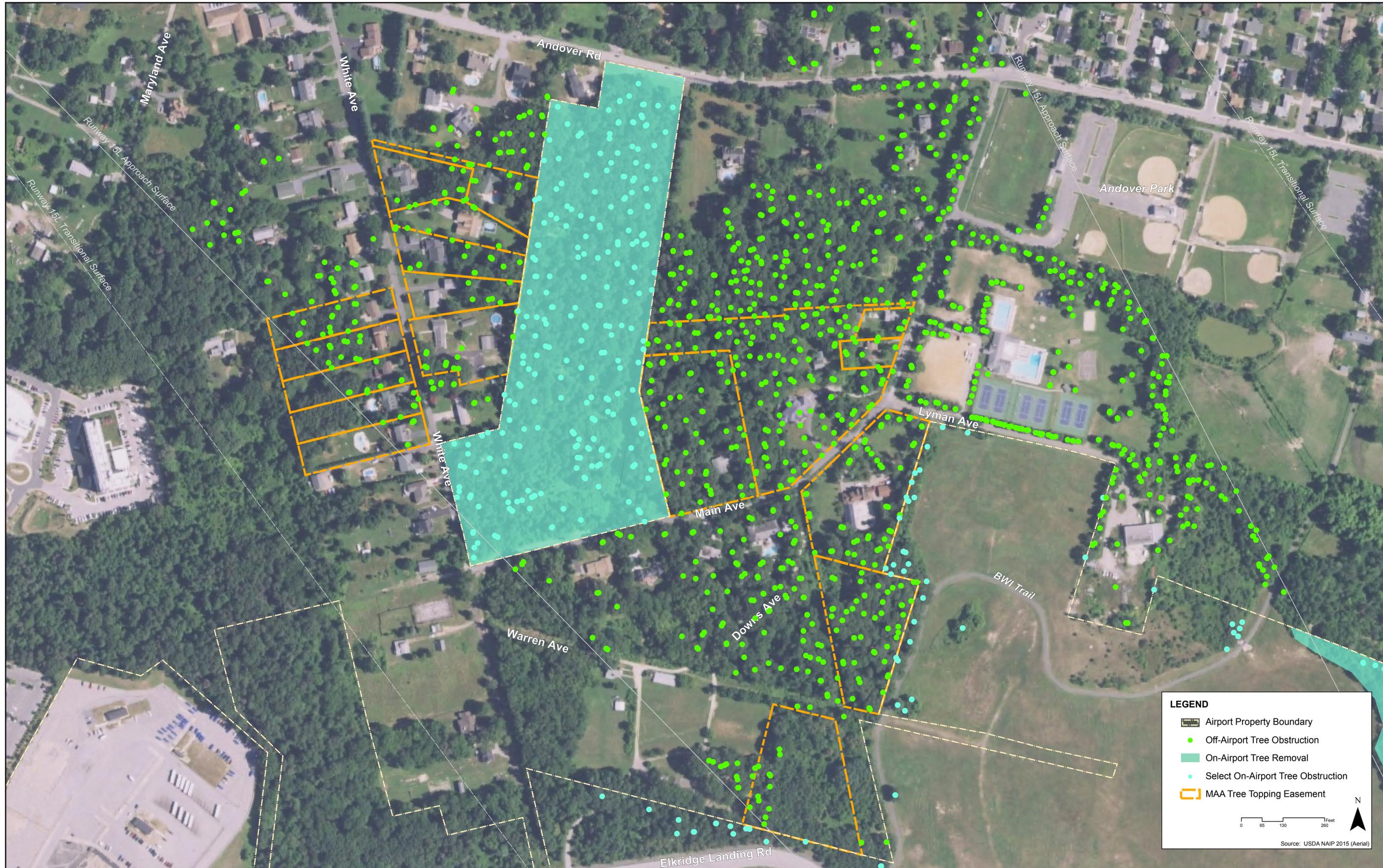
- Wetlands with 25' Buffers
- Wetlands of Special State Concern
- USACE Jurisdictional Pond
- Stream
- Culverted Stream

Anticipated Environmental Impacts

<p>Category 1 Detailed analysis.</p>	Air Quality
	Biological resources
	Coastal Resources
	Historical, Architectural, Archaeological, and Cultural Resources
	Department of Transportation, Section 4(f)
	Visual Effects
	Water Resources, including wetlands, floodplains, and Surface Waters
<p>Category 2 Some analysis.</p>	Climate
	Land Use
	Hazardous Materials, Solid Waste, and Pollution Prevention
	Noise and Noise-Compatible Land Use
	Natural Resources and Energy Supply
	Socioeconomic Impacts, Environmental Justice, and Children’s Environmental Health and Safety Risks
<p>Category 3 Minimal analysis.</p>	Cumulative Impacts
	Farmlands

Note - Environmental Impact Categories defined in Federal Aviation Administration Order 1050.1F, *Environmental Impacts: Policies and Procedures*

Runway 15L Approach Surface Tree Obstructions



LEGEND

- Airport Property Boundary
- Off-Airport Tree Obstruction
- On-Airport Tree Removal
- Select On-Airport Tree Obstruction
- MAA Tree Topping Easement

0 65 130 260 Feet

Source: USDA NAIP 2015 (Aerial)

Scoping Comments

- Submit Scoping comments to:

Ms. Robin M. Bowie
Acting Director, Office of Environmental Services
Maryland Aviation Administration
P.O. Box 8766
BWI Airport, MD 21240
rbowie@bwiairport.com

- Or place your comments in the Comment Box tonight.
- Please submit comments by **September 9** to ensure your input is considered early in the EA process.

Public Scoping Sign-In Sheet

**Environmental Assessment for Proposed Improvements 2016-2020 at
Baltimore / Washington International Thurgood Marshall Airport
Public Scoping Meeting**

August 25, 2016

5:00 pm - Maryland Department of Transportation Aviation Administration Offices



Name / Organization	City / Zip Code	Check here if you would like to receive information about this project in the future.	If so, please provide e-mail address.
Robin M Bowie	MAA	<input type="checkbox"/>	
Peggy Wellen	Linthicum 21090	<input checked="" type="checkbox"/>	[REDACTED]
John Hurt	MAA 21090	<input type="checkbox"/>	
Trina Kennedy	MAA	<input type="checkbox"/>	
Andrew Parks / Kiewit	Hanover	<input checked="" type="checkbox"/>	[REDACTED]
Andy/Betty Makar	Linthicum 21090	<input checked="" type="checkbox"/>	[REDACTED]
KEN GLENDENNING	LINTHICUM, MD, 21090	<input checked="" type="checkbox"/>	[REDACTED]
Josh Moran 2	Linthicum MD 21090	<input checked="" type="checkbox"/>	[REDACTED]
PAUL MERKEL	LINTHICUM MD 21090	<input checked="" type="checkbox"/>	[REDACTED]
Darline Terrell-Tyson	MAA	<input type="checkbox"/>	
WAYNE SCHUSTER	MAA	<input type="checkbox"/>	
Dan Hinder	MAA/CEM	<input type="checkbox"/>	

**Environmental Assessment for Proposed Improvements 2016-2020 at
Baltimore / Washington International Thurgood Marshall Airport
Public Scoping Meeting
August 25, 2016
5:00 pm - Maryland Department of Transportation Aviation Administration Offices**



Name / Organization	City / Zip Code	Check here if you would like to receive information about this project in the future.	If so, please provide e-mail address.
Raymond Tinsley	Linthicum 21090	<input checked="" type="checkbox"/>	[Redacted]
Kerwin + Ann Pippin	Linthicum, 21090	<input checked="" type="checkbox"/>	[Redacted]
LAURA POWOJAN	GB 21061	<input checked="" type="checkbox"/>	[Redacted]
Sara Schuyler / President LSIA	Linthicum 21090	<input checked="" type="checkbox"/>	[Redacted]
Jonathan Dean	MAA	<input type="checkbox"/>	[Redacted]
DHR TRUESCHER	MDOT-TSD	<input checked="" type="checkbox"/>	[Redacted]
Ellen Sample	MAA	<input type="checkbox"/>	[Redacted]
Nate Cassis	WJZ	<input type="checkbox"/>	[Redacted]
David Lyndall	HMMH 02472	<input type="checkbox"/>	[Redacted]
Dale Hilliard	MAA	<input type="checkbox"/>	[Redacted]
LAWRENCE DOKOSZ	21090	<input checked="" type="checkbox"/>	[Redacted]
Phil Davis	21 Capital Gaz	<input type="checkbox"/>	[Redacted]

**Environmental Assessment for Proposed Improvements 2016-2020 at
Baltimore / Washington International Thurgood Marshall Airport
Public Scoping Meeting**

August 25, 2016

5:00 pm - Maryland Department of Transportation Aviation Administration Offices



Name / Organization	City / Zip Code	Check here if you would like to receive information about this project in the future.	If so, please provide e-mail address.
Michael Carr	Linthicum / 21090	<input checked="" type="checkbox"/>	[REDACTED]
Barry Hopkins +1	Linthicum / 21090	<input checked="" type="checkbox"/>	[REDACTED]
James Osborn	LEWISBURG 21081	<input checked="" type="checkbox"/>	[REDACTED]
Larry Schaper	LINTHICUM 21090	<input checked="" type="checkbox"/>	[REDACTED]
Kathleen Nappi	Linthicum 21090	<input checked="" type="checkbox"/>	[REDACTED]
Kevin Hughes	Linthicum 21090	<input type="checkbox"/>	[REDACTED]
JOSEPH WADE	LINTHICUM 21090	<input checked="" type="checkbox"/>	[REDACTED]
Jim O'Brien +1	Linthicum 21090	<input type="checkbox"/>	[REDACTED]
Lillian Farinholt	Linthicum 21090	<input type="checkbox"/>	[REDACTED]
Pete Petersen Petersen	MAA	<input type="checkbox"/>	[REDACTED]
Shawn Ames	MAA	<input type="checkbox"/>	[REDACTED]
JOHN HAISLID	LINTHICUM	<input checked="" type="checkbox"/>	[REDACTED]

**Environmental Assessment for Proposed Improvements 2016-2020 at
 Baltimore / Washington International Thurgood Marshall Airport
 Public Scoping Meeting
 August 25, 2016
 5:00 pm - Maryland Department of Transportation Aviation Administration Offices**



Name / Organization	City / Zip Code	Check here if you would like to receive information about this project in the future.	If so, please provide e-mail address.
Donna Meeker + 1	Linthicum, MD	<input checked="" type="checkbox"/>	[REDACTED]
KIM HUGHES	HNTB	<input type="checkbox"/>	
CAROLINE PINEGAR	HNTB	<input type="checkbox"/>	
STACY TALMADGE	HNTB	<input type="checkbox"/>	
		<input type="checkbox"/>	

Attachment 2:
Tribal Consultation

Tribal Consultation Recipients

The following Federally Recognized Tribes were sent Tribal Consultation letters from the FAA the week of December 14, 2016:

Nekole Alligood, Director
Cultural Preservation Department
The Delaware Nation
P.O. Box 825
31064 State Highway 281
Anadarko, OK 73005

Ms. Susan Bachor
Delaware Tribe Historic Preservation
Representative
P.O. Box 64
Pocono Lake, PA 18347

Mr. Jesse Bergevin, Historic Resources
Specialist
Oneida Indian Nation
2037 Dream Catcher Plaza
Oneida, NY 13421-0662

Ms. Robin Dushane, THPO
Cultural Preservation Director
Eastern Shawnee Tribe of Oklahoma
12705 South 705 Road
Wyandotte, OK 74370

Micco Emarthia, THPO
Seneca-Cayuga Nation
PO Box 45322
Grove, OK 74345-3022

Mr. Anthony Gonyea, Faithkeeper (Beaver
Clan)
Onondaga Nation
RR #1, Box 245
Nedrow, NY 13120

Ms. Kim Jumper, THPO
Shawnee Tribe
P. O. Box 189
29 South Highway 69A
Miami, OK 74355

Leonard Longhorn
Cultural Preservation Director / THPO
Absentee-Shawnee Tribe of Oklahoma
2025 S. Gordon Cooper Drive
Shawnee, Oklahoma 74801

Mr. Arnold Printup, Tribal Historic Preservation
Officer
Saint Regis Mohawk Tribe
412 State Route 37
Akwesasne, NY 13655

Mr. Bryan
Printup
Tuscarora Nation, Chiefs Council
5226 Walmore Road
Lewiston, NY 14032

SAMPLE



U. S. Department
of Transportation

**Federal Aviation
Administration**

WASHINGTON AIRPORTS DISTRICT OFFICE
23723 Air Freight Lane, Suite 210
Dulles, Virginia 20166
Telephone: 703/661-1354
Fax: 703/661-1370

December 9, 2016

Nekole Alligood, Director
Cultural Preservation Department
The Delaware Nation
P.O. Box 825
31064 State Highway 281
Anadarko, OK 73005

Dear Ms. Alligood:

The Federal Aviation Administration (FAA) and the Maryland Department of Transportation's Maryland Aviation Administration (MAA) are in the process of preparing an environmental assessment for the proposed improvements (2016-2020) at Baltimore / Washington International Thurgood Marshall Airport (BWI Marshall) in the unincorporated community of Linthicum in Anne Arundel County, Maryland. BWI Marshall is owned and operated as a public use airport by the MAA. The proposed physical improvements at the Airport are needed to allow the airport to effectively continue its mission of serving the Baltimore Metropolitan area's commercial air transportation needs as forecasted through 2020 (see Figures 1 and 2).

Purpose of Government-to-Government Consultation

The primary purpose of government-to-government consultation as described in Federal Executive Order 13175, *Consultation and Coordination with Indian Tribal Governments*, and FAA's Order 1210.20, *American Indian and Alaska Native Tribal Consultation Policy and Procedures*, is to ensure that Federally recognized tribes are given the opportunity to provide meaningful and timely input regarding proposed FAA actions that uniquely or significantly affect tribes.

Consultation Initiation

In order to fulfill our requirement with Code of Federal Regulation (CFR) 36 Part 800 requirements we are contacting you as part of the environmental review process. With this letter, the FAA is seeking input on concerns that uniquely or significantly affect your tribe related to planned and proposed airport improvements. Early identification of tribal concerns will allow the FAA and the airport owner and operator to consider ways to avoid and minimize potential impacts to tribal resources and practices as project planning and alternatives are developed and refined. We would be pleased to discuss details of the proposed project with you.

Project Information

The Area of Potential Effect (APE) is identified as shown on the enclosed Figure 3. The enclosed Figures 1 and 2 list and depict the proposed improvements being considered in the ongoing EA. The proposed undertaking consists of improvements needed to meet FAA criteria, enhance airfield safety and efficiency, accommodate existing and anticipated demand, and improve

customer service. With the exception of the proposed obstruction removal as shown on Figure 2, all improvements are confined to the airport 'campus'.

Confidentiality

The FAA understands that you may have concerns regarding the confidentiality of information on areas or resources of religious, traditional, and cultural importance to the tribe. We would be pleased to discuss these concerns and develop procedures to ensure the confidentiality of such information is maintained.

Airport Owner and Operator Contact Information

In addition, you may wish to include the Airport owner and operator (MAA) in your response so that they may be aware of your comments.

The MAA point of contact for this project is:

Ms. Robin Bowie, Acting Director
Office of Environmental Services
Maryland Department of Transportation's Maryland Aviation Administration
P.O. Box 8766
BWI Airport, MD 21240
rbowie@bwiairport.com
(410) 859-7103

Project Consultation

Your timely response will greatly assist us in identifying any potential concerns you may have early on in the EA process and better assist us with our project planning. Your response to this inquiry within 30 days of receipt of this correspondence would be appreciated.

FAA Contact Information

If you wish to provide comments related to this proposed project, please contact:

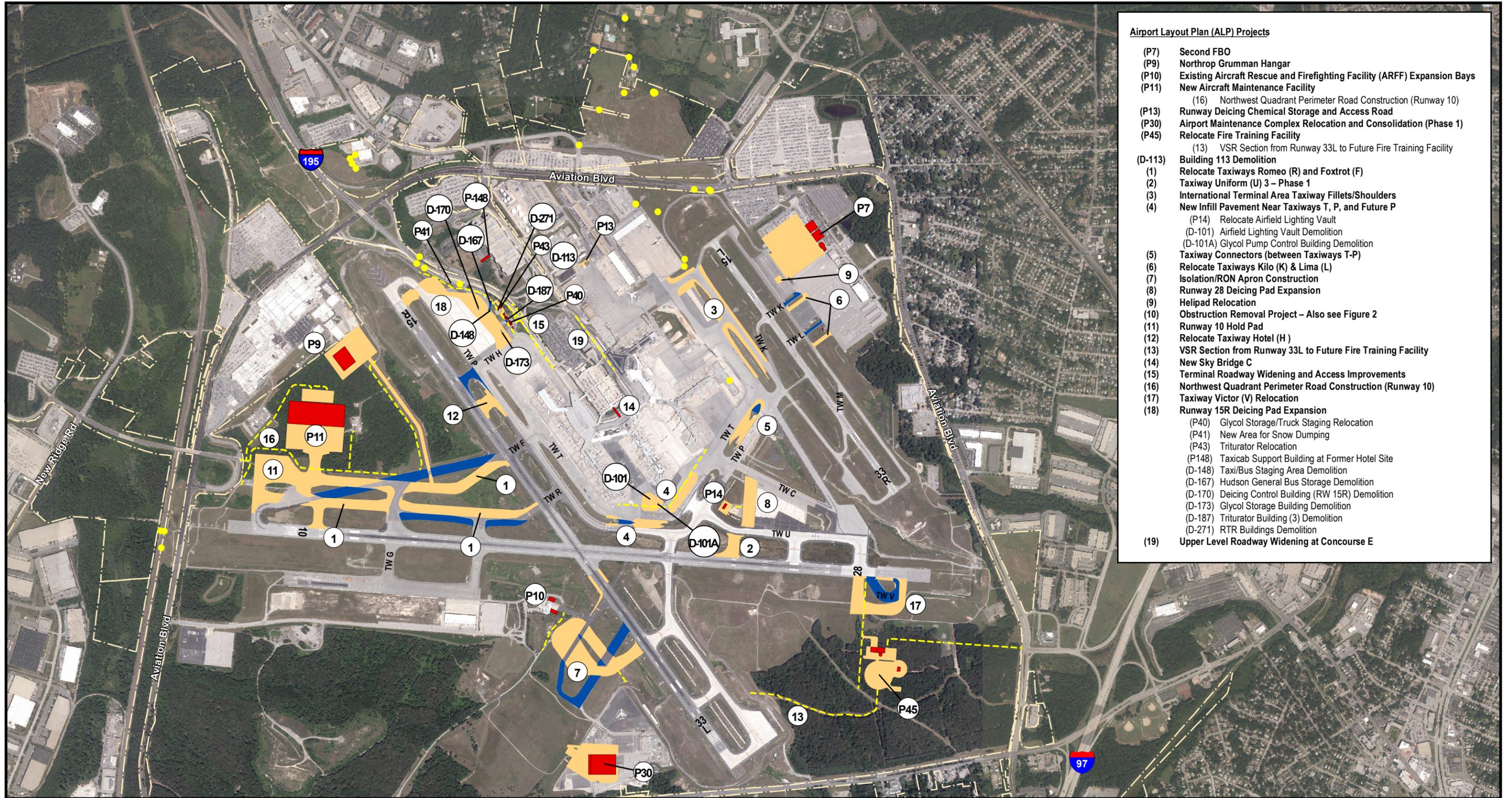
Mr. Marcus Brundage, Environmental Specialist
Federal Aviation Administration Washington Airports District Office
23723 Air Freight Lane, Suite 210
Dulles, VA 20166
marcus.brundage@faa.gov
(703) 661-1365

Sincerely,

Marcus Brundage, REM
Environmental Protection Specialist

Enclosures

cc: Ms. Robin Bowie, Acting Director, MAA Office of Environmental Services
Mr. Thomas Priscilla, P.E., FAA



- Airport Layout Plan (ALP) Projects**
- (P7) Second FBO
 - (P9) Northrop Grumman Hangar
 - (P10) Existing Aircraft Rescue and Firefighting Facility (ARFF) Expansion Bays
 - (P11) New Aircraft Maintenance Facility
 - (16) Northwest Quadrant Perimeter Road Construction (Runway 10)
 - (P13) Runway Deicing Chemical Storage and Access Road
 - (P30) Airport Maintenance Complex Relocation and Consolidation (Phase 1)
 - (P45) Relocate Fire Training Facility
 - (13) VSR Section from Runway 33L to Future Fire Training Facility
 - (D-113) Building 113 Demolition
 - (1) Relocate Taxiways Romeo (R) and Foxtrot (F)
 - (2) Taxiway Uniform (U) 3 – Phase 1
 - (3) International Terminal Area Taxiway Fillets/Shoulders
 - (4) New Infill Pavement Near Taxiways T, P, and Future P
 - (P14) Relocate Airfield Lighting Vault
 - (D-101) Airfield Lighting Vault Demolition
 - (D-101A) Glycol Pump Control Building Demolition
 - (5) Taxiway Connectors (between Taxiways T-P)
 - (6) Relocate Taxiways Kilo (K) & Lima (L)
 - (7) Isolation/RON Apron Construction
 - (8) Runway 28 Deicing Pad Expansion
 - (9) Helipad Relocation
 - (10) Obstruction Removal Project – Also see Figure 2
 - (11) Runway 10 Hold Pad
 - (12) Relocate Taxiway Hotel (H)
 - (13) VSR Section from Runway 33L to Future Fire Training Facility
 - (14) New Sky Bridge C
 - (15) Terminal Roadway Widening and Access Improvements
 - (16) Northwest Quadrant Perimeter Road Construction (Runway 10)
 - (17) Taxiway Victor (V) Relocation
 - (18) Runway 15R Deicing Pad Expansion
 - (P40) Glycol Storage/Truck Staging Relocation
 - (P41) New Area for Snow Dumping
 - (P43) Triturator Relocation
 - (P148) Taxicab Support Building at Former Hotel Site
 - (D-148) Taxi/Bus Staging Area Demolition
 - (D-167) Hudson General Bus Storage Demolition
 - (D-170) Deicing Control Building (RW 15R) Demolition
 - (D-173) Glycol Storage Building Demolition
 - (D-187) Triturator Building (3) Demolition
 - (D-271) RTR Buildings Demolition
 - (19) Upper Level Roadway Widening at Concourse E

LEGEND

- Airport Property Boundary
- Pavement Improvements
- Proposed Structures
- Demolition
- Vehicle Roadway Improvements
- Pole/Sign/Obstruction Light (To Be Relocated or Removed)

Proposed Action Figure 1



Source: Aerial - MAA (2016)

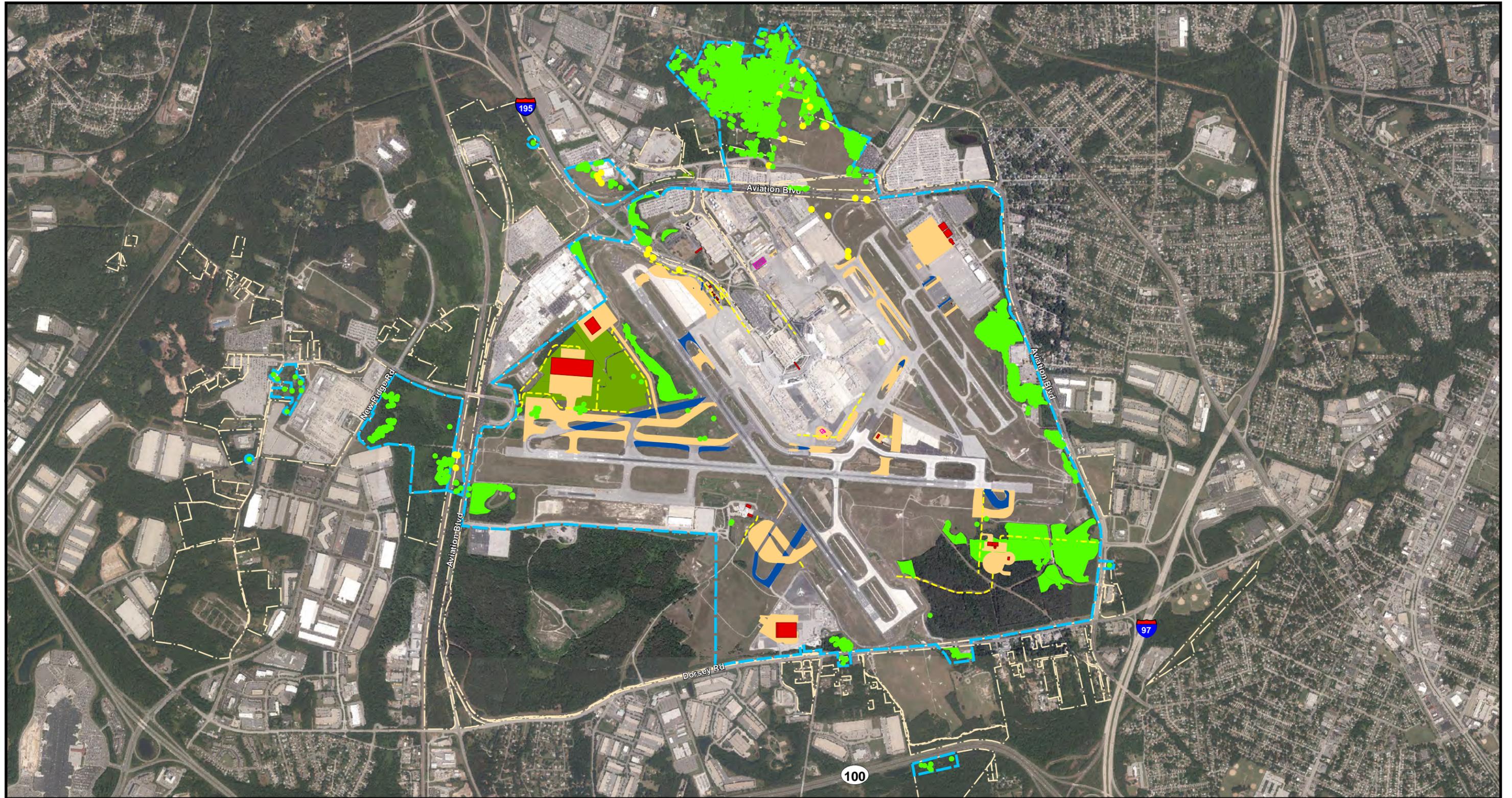


LEGEND

-  Airport Property Boundary
-  Part 77 (Primary, Approach and Transitional Surface Limits)
-  Tree Obstruction Removal
-  Tree Removal for Phase I Improvements

Proposed Action - Vegetation
Figure 2

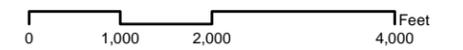




LEGEND

- Area of Potential Effect
- Airport Property Boundary
- Pavement Improvements
- Proposed Structures
- Demolition
- Building Demolition
- Vehicle Roadway Improvements
- Pole/Sign/Obstruction Light (To Be Relocated or Removed)
- Tree Obstruction Removal
- Tree Removal for Phase I Improvements

Area of Potential Effect
Figure 3





Delaware Tribe Historic Preservation Representatives
P.O. Box 64
Pocono Lake, PA 18347
temple@delawaretribe.org

January 4, 2017

U.S DOT
Federal Aviation Administration
Washington Airports District Office
23723 Air Freight Lane, Suite 210
Dulles, Virginia 20166

Re: Proposed Improvements for BWI Airport

Mr. Brundage:

Thank you for informing the Delaware Tribe of the above referenced project. The Delaware Tribe is committed to protecting historic sites important to our tribal heritage, culture, and religion. Our review indicates that there are no religious or culturally significant sites within this project area due to previous disturbance. We have no objection to the proposed project.

However, we ask that in the event a concentration of artifacts and/or in the unlikely event any human remains are accidentally unearthed during the project that all work is halted until the Delaware Tribe of Indians is informed of the inadvertent discovery and a qualified archaeologist can evaluate the find.

If you have any questions, feel free to contact this office by phone at (610) 761-7452 or by e-mail at temple@delawaretribe.org.

Sincerely,

A handwritten signature in black ink on a light-colored background. The signature appears to be "Susan Bachor" written in a cursive style.

Susan Bachor
Delaware Tribe Historic Preservation Representative

Attachment 3:

Public Workshop

January 25, 2018

Attachment 3

Public Workshop

As detailed in Chapter 6, a Public Workshop was held on January 25, 2018 following the issuance of the Draft EA and Draft Section 4(f) Determination for public and agency review. The NOA was published on January 5, 2018 and January 14, 2018 and proof of publication is included in this Attachment.

The Public Workshop included presentation boards, a handout, and a brief PowerPoint presentation. These Public Workshop materials and a copy of the sign-in sheets and comment form are included in this Attachment.

While the PowerPoint presentation was to be presented at 5:30 PM and 6:30 PM at the Public Workshop, attendance at the workshop did not warrant conducting the presentation twice. The presentation was made at approximately 7:00 PM to those in attendance at the Public Workshop at that time.



501 N. Calvert St., P.O. Box 1377
Baltimore, Maryland 21278-0001
tel: 410/332-6000
800/829-8000

WE HEREBY CERTIFY, that the annexed advertisement of Order No 5381824

Sold To:

HNTB Corporation - CU00238372
2900 S Quincy St Ste 600
Arlington, VA 222062233

Bill To:

HNTB Corporation - CU00238372
2900 S Quincy St Ste 600
Arlington, VA 222062233

Was published in "The Baltimore Sun", "Daily", a newspaper printed and published in Baltimore City on the following dates:

Jan 05, 2018; Jan 14, 2018

The Baltimore Sun Media Group

By S. Wilkinson

Legal Advertising

Subscribed and sworn to before me this 16 day of Jan 2018,

By _____

Michele Elaine

Notary Public

My commission expires 10/5/19



PUBLIC NOTICE OF AVAILABILITY AND PUBLIC WORKSHOP ANNOUNCEMENT

FEDERAL AVIATION ADMINISTRATION
MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND AVIATION ADMINISTRATION

DRAFT ENVIRONMENTAL ASSESSMENT AND DRAFT SECTION 4(f) DETERMINATION FOR PROPOSED IMPROVEMENTS 2016-2020 AT BALTIMORE / WASHINGTON INTERNATIONAL THURGOOD MARSHALL AIRPORT LINTHICUM, MARYLAND

The Maryland Department of Transportation Maryland Aviation Administration (MDOT MAA) in conjunction with the Federal Aviation Administration (FAA), in compliance with the National Environmental Policy Act of 1969 (NEPA), and FAA Orders 1050.1F and 5050.4B has completed a Draft Environmental Assessment (EA) and Draft U.S. Department of Transportation - Section 4(f) Determination for proposed improvements at Baltimore / Washington International Thurgood Marshall Airport (BWI Marshall Airport) in Linthicum, Maryland in Anne Arundel County.

The improvements include, but not limited to, pavement rehabilitation, obstruction removal, terminal improvements, taxiway construction / relocation, helpaid relocation, construction of aircraft maintenance facilities, vehicle service roadway construction, aircraft firefighting facility expansion, and fire training facility relocation.

The Draft EA and Draft Section 4(f) Determination is available for review online at <http://www.marylandaviation.com/content/environmental/environmentaldocs.html> and hard copies are available for review at the following locations during regular business hours until February 5, 2018:

Federal Aviation Administration
Washington Airports District Office
23723 Air Freight Lane, Suite 210
Dulles, VA 20166

Maryland Department of Transportation
Maryland Aviation Administration
Office of Environmental Services
991 Corporate Boulevard
Linthicum, MD 21090

Anne Arundel County Library
Linthicum Branch
400 Shipley Road
Linthicum, MD 21090

Anne Arundel County Library
Glen Burnie Regional Library
1010 Eastway
Glen Burnie, MD 21060

In addition, the MDOT MAA invites the public to attend a public workshop on Thursday, January 25, 2018 from 5:00 p.m. to 8:00 p.m. in Assembly Rooms A&B at the MDOT MAA Offices located at 991 Corporate Boulevard, Linthicum, MD 21090. The purpose of the public workshop, which will be held in an "open house" format, is to share information and invite comments. Graphics will be on display to illustrate the information provided in the Draft EA and Draft Section 4(f) Determination including the purpose and need, alternatives, and potential impacts as well as provide information on the EA process and schedule. Representatives from the MDOT MAA and its Project Team will be available to answer questions throughout the public workshop. In addition, a brief presentation describing information provided in the Draft EA and Draft Section 4(f) Determination will be made at 5:30 p.m. and 6:30 p.m.

It should be noted that the proposed improvements included in this Draft EA and Draft Section 4(f) Determination will have no impact on flight track location and use at BWI Marshall Airport and will also not affect the types and/or times of day that aircraft operate at the Airport. The proposed improvements reviewed in the Draft EA and Draft Section 4(f) Determination are not related to the recent changes to flight tracks associated with FAA's DC Metroplex initiative. Separate public outreach has been established for the DC Metroplex efforts with information available on MDOT MAA's community relations website (<http://www.maacommunityrelations.com/>).

Written comments on the Draft EA and Draft Section 4(f) Determination are requested from interested parties and can be submitted during and after the public workshop. After the workshop, written comments may be submitted to:

Ms. Robin M. Bowie
Director, Office of Environmental Services
Maryland Department of Transportation
Maryland Aviation Administration
P.O. Box 8766
BWI Airport, MD 21240

Comments will also be accepted by fax at 410-859-7082 or by email at rbowie@bwiairport.com no later than February 5, 2018. Any comments that are mailed, faxed, or emailed after this date will be considered to the extent practical.

Those interested in attending the public workshop with special communication or accommodation needs are encouraged to contact Kim Hughes (khughes@hntb.com or 703-824-5100) at least 5 days prior to the workshop. Every reasonable effort to accommodate special needs will be made.

ANNE ARUNDEL COUNTY

**BWV L
6003 Execut
Rockvl
(30'**

**SUBSTITUTE
OF REAL
ANY IMPROV
8227 APP
PASADE**

Under a power of sale created May 28, 2010 and among the Land Records an original principal balance interest rate of 5%, default thereof, the Sub. Trustee: Circuit Court for Anne Arundel County, MD and more full of Trust.

JANUARY 17,

ALL THAT FEE SIMPLE LOT BUILDINGS OR IMPROVEMENTS County, MD and more full of Trust.

The property, and any in an "as is" condition and agreements of record with no warranty of any kind.

Terms of Sale: A deposit check, cashier's check of the purchaser at time of purchase price, together with chase money at the current Note from the date received by the Sub. Trustee. There will be no abatement of settlement. TIME IS OF THE ESSENCE.

Adjustment of current year as of the date of sale, purchaser. Taxes due for tax sale are payable by the purchaser for any recapture of public and/or private charges such amounts survive for water and sewer charges cost during construction facilities constructed by the annual fee or assessment as the lienholder and are a lienholder and each owner or assessment imposed by the purchaser or discount for early charges may be ascertained. All costs of deed recording, transfer, recordation, agriculture assessed by any government recording, are payable by the purchaser. The purchaser is responsible for obtaining property, and assumes risk of loss from the date of sale.

audit of the status of the loan, but not limited to, the borrower entered into any repayment plan prior to the sale shall be null and void, and in law or equity, shall be of no interest. If purchaser fails to complete the purchase, the property will be resold and the purchaser's default and liability. The defaulted purchase surplus proceeds resulting from the sale shall be paid to the defaulted purchaser. If Sub. Trustee is either insurable or marketable, the sale is denied by the Circuit Court for Anne Arundel County, MD and more full of Trust.

PLEASE CONSULT WITH AN ATTORNEY REGARDING THE STATUS OF UPCOMING SALE

HOWARD N. ALEXANDER
TOWSON OFFICE
410-828-4838

WWW.ALEXANDER.AUCTIONEERS.COM
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53-M December 29 January 5



PUBLIC NOTICE OF AVAILABILITY AND PUBLIC WORKSHOP ANNOUNCEMENT

FEDERAL AVIATION ADMINISTRATION
MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND AVIATION ADMINISTRATION

DRAFT ENVIRONMENTAL ASSESSMENT AND DRAFT SECTION 4(f) DETERMINATION FOR PROPOSED IMPROVEMENTS 2016-2020 AT BALTIMORE / WASHINGTON INTERNATIONAL THURGOOD MARSHALL AIRPORT LINTHICUM, MARYLAND

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23723 Air Freight Lane, Suite 210
Dulles, VA 20166

Maryland Department of Transportation
Maryland Aviation Administration
Office of Environmental Services
991 Corporate Boulevard
Linthicum, MD 21090

Anne Arundel County Library
Linthicum Branch
400 Shipley Road
Linthicum, MD 21090

Anne Arundel County Library
Glen Burnie Regional Library
1010 Eastway
Glen Burnie, MD 21060

In addition, the MDOT MAA invites the public to attend a public workshop on Thursday, January 25, 2018 from 5:00 p.m. to 8:00 p.m. in Assembly Rooms A&B at the MDOT MAA Offices located at 991 Corporate Boulevard, Linthicum, MD 21090. The purpose of the public workshop, which will be held in an "open house" format, is to share information and invite comments. Graphics will be on display to illustrate the information provided in the Draft EA and Draft Section 4(f) Determination including the purpose and need, alternatives, and potential impacts as well as provide information on the EA process and schedule. Representatives from the MDOT MAA and its Project Team will be available to answer questions throughout the public workshop. In addition, a brief presentation describing information provided in the Draft EA and Draft Section 4(f) Determination will be made at 5:30 p.m. and 6:30 p.m.

It should be noted that the proposed improvements included in this Draft EA and Draft Section 4(f) Determination will have no impact on flight track location and use at BWI Marshall Airport and will also not affect the types and/or times of day that aircraft operate at the Airport. The proposed improvements reviewed in the Draft EA and Draft Section 4(f) Determination are not related to the recent changes to flight tracks associated with FAA's DC Metroplex initiative. Separate public outreach has been established for the DC Metroplex efforts with information available on MDOT MAA's community relations website (<http://www.maacommunityrelations.com/>).

Written comments on the Draft EA and Draft Section 4(f) Determination are requested from interested parties and can be submitted during and after the public workshop. After the workshop, written comments may be submitted to:

Ms. Robin M. Bowie
Director, Office of Environmental Services
Maryland Department of Transportation
Maryland Aviation Administration
P.O. Box 8766
BWI Airport, MD 21240

Comments will also be accepted by fax at 410-859-7082 or by email at rbowie@bwiairport.com no later than February 5, 2018. Any comments that are mailed, faxed, or emailed after this date will be considered to the extent practical.

Those interested in attending the public workshop with special communication or accommodation needs are encouraged to contact Kim Hughes (khughes@hntb.com or 703-824-5100) at least 5 days prior to the workshop. Every reasonable effort to accommodate special needs will be made.

AUTOMOBILES

1999 JEEP GRAND CHEROKEE 6 Cyl. Beut cond. Maint recs. Must see \$2200 obo 410-592-7849

2005 SUBARU FORESTER Manual, silver, 105k Miles, \$3,995 410-395-3054

MOTORCYCLES

MOTORCYCLE SWAPMEET & TATTOO CONTEST
2210 Fairgrounds Rd. Howard County Fairground, MD. 21794 Jan 28th, 10am-3pm. Buy, Sell, Trade.
www.howardcountyswapmeet.com 301-723-0213

CEMETERY LOTS

GLENHAVEN CEMETERY IN GLEN BERNIE
2 lots, in Garden of the Hours section. \$800/both negotiable. Constance: 660-547-3404



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LICENSE NOS. A000004, A000297, A000338, A000394, A000465
53-M December 29 January 5



WELCOME

PUBLIC WORKSHOP

Draft EA and Draft Section 4(f) Determination for
Proposed Improvements 2016-2020
at BWI Marshall Airport

January 25, 2018



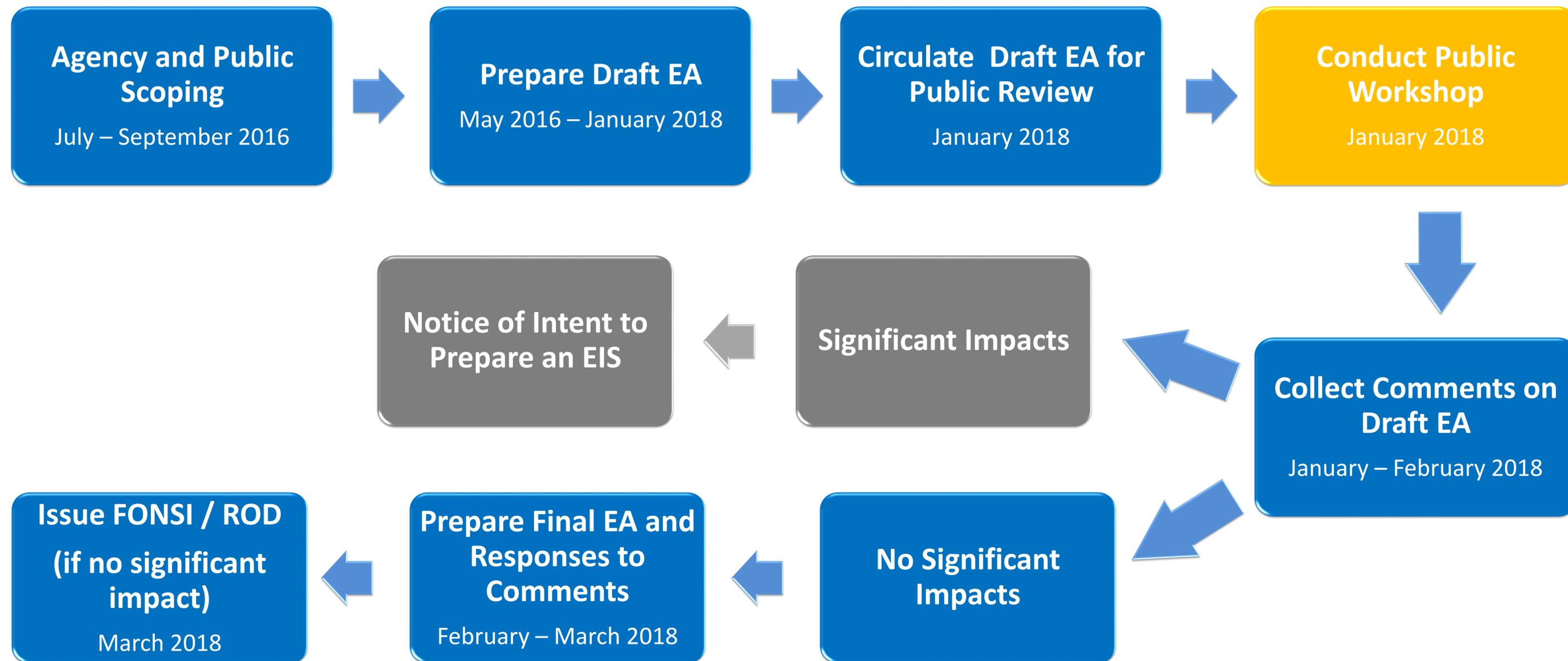


WELCOME

PUBLIC WORKSHOP

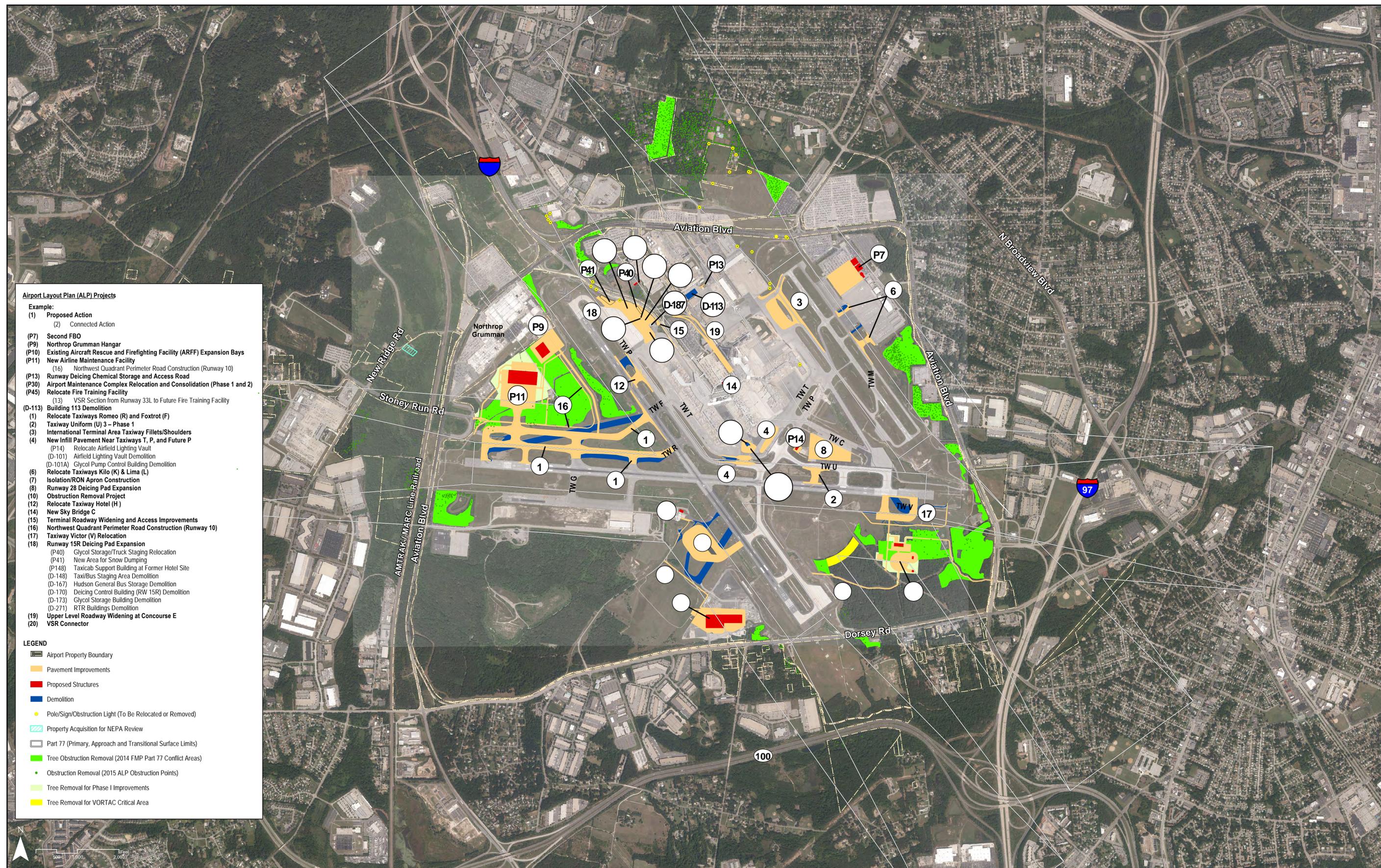


Environmental Assessment Process and Timeline*



*Dates are preliminary and are subject to change.

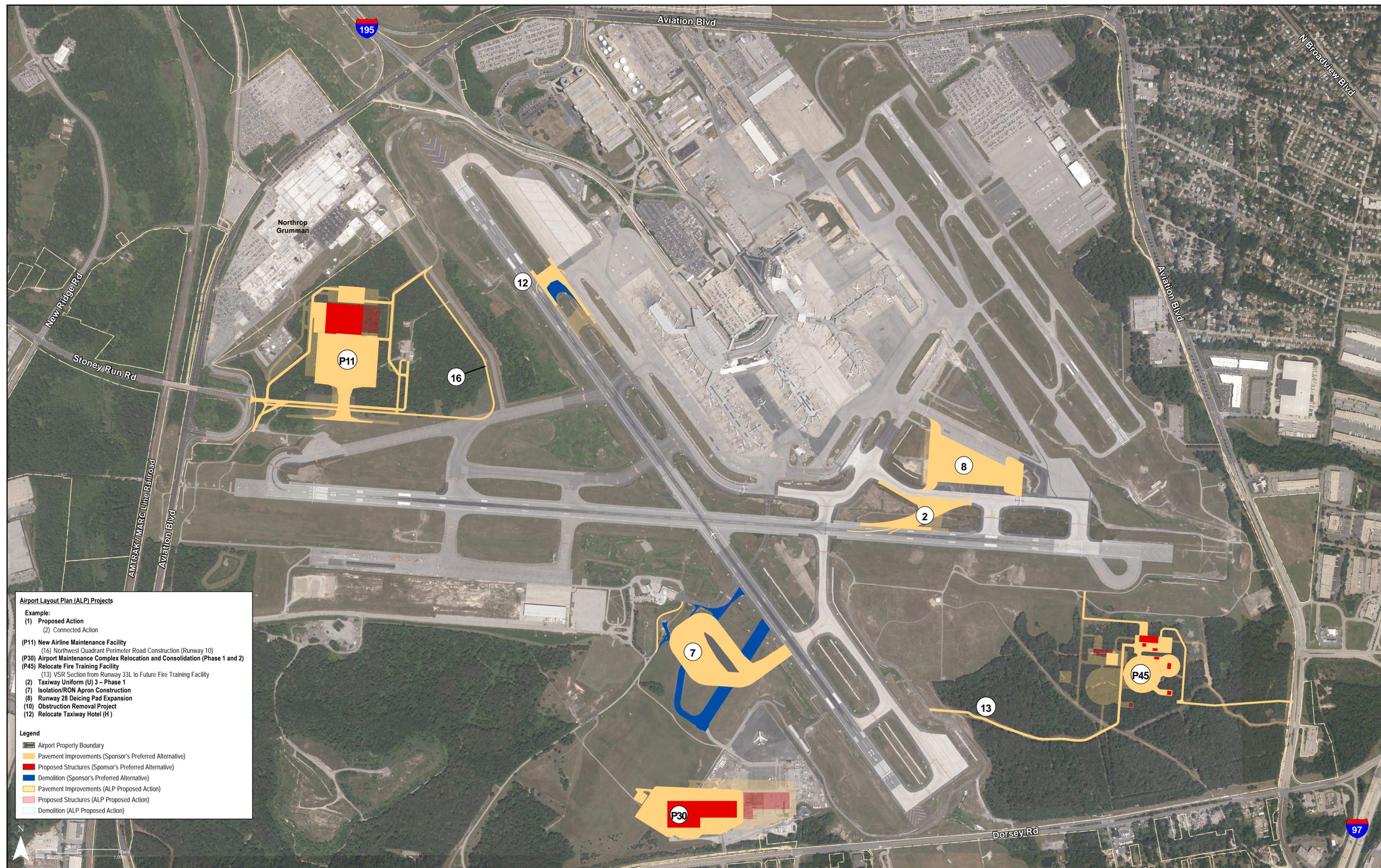
ALP Alternative



- Airport Layout Plan (ALP) Projects**
- Example:**
 (1) Proposed Action
 (2) Connected Action
- (P7) Second FBO
 (P9) Northrop Grumman Hangar
 (P10) Existing Aircraft Rescue and Firefighting Facility (ARFF) Expansion Bays
 (P11) New Airline Maintenance Facility
 (16) Northwest Quadrant Perimeter Road Construction (Runway 10)
 (P13) Runway Deicing Chemical Storage and Access Road
 (P30) Airport Maintenance Complex Relocation and Consolidation (Phase 1 and 2)
 (P45) Relocate Fire Training Facility
 (13) VSR Section from Runway 33L to Future Fire Training Facility
- (D-113) Building 113 Demolition
 (1) Relocate Taxiways Romeo (R) and Foxtrot (F)
 (2) Taxiway Uniform (U) 3 - Phase 1
 (3) International Terminal Area Taxiway Fillets/Shoulders
 (4) New Infill Pavement Near Taxiways T, P, and Future P
 (P14) Relocate Airfield Lighting Vault
 (D-101) Airfield Lighting Vault Demolition
 (D-101A) Glycol Pump Control Building Demolition
 (6) Relocate Taxiways Kilo (K) & Lima (L)
 (7) Isolation/RON Apron Construction
 (8) Runway 28 Deicing Pad Expansion
 (10) Obstruction Removal Project
 (12) Relocate Taxiway Hotel (H)
 (14) New Sky Bridge C
 (15) Terminal Roadway Widening and Access Improvements
 (16) Northwest Quadrant Perimeter Road Construction (Runway 10)
 (17) Taxiway Victor (V) Relocation
 (18) Runway 15R Deicing Pad Expansion
 (P40) Glycol Storage/Truck Staging Relocation
 (P41) New Area for Snow Dumping
 (P148) Taxicab Support Building at Former Hotel Site
 (D-148) Taxi/Bus Staging Area Demolition
 (D-167) Hudson General Bus Storage Demolition
 (D-170) Deicing Control Building (RW 15R) Demolition
 (D-173) Glycol Storage Building Demolition
 (D-271) RTR Buildings Demolition
- (19) Upper Level Roadway Widening at Concourse E
 (20) VSR Connector

- LEGEND**
- Airport Property Boundary
 - Pavement Improvements
 - Proposed Structures
 - Demolition
 - Pole/Sign/Obstruction Light (To Be Relocated or Removed)
 - Property Acquisition for NEPA Review
 - Part 77 (Primary, Approach and Transitional Surface Limits)
 - Tree Obstruction Removal (2014 FMP Part 77 Conflict Areas)
 - Obstruction Removal (2015 ALP Obstruction Points)
 - Tree Removal for Phase I Improvements
 - Tree Removal for VORTAC Critical Area

Modifications to ALP Alternative



Airport Layout Plan (ALP) Projects

Example:
 (1) Proposed Action
 (2) Connected Action

(P11) New Airline Maintenance Facility
 (16) Northwest Quadrant Perimeter Road Construction (Runway 10)

(P30) Airport Maintenance Complex Relocation and Consolidation (Phase 1 and 2)

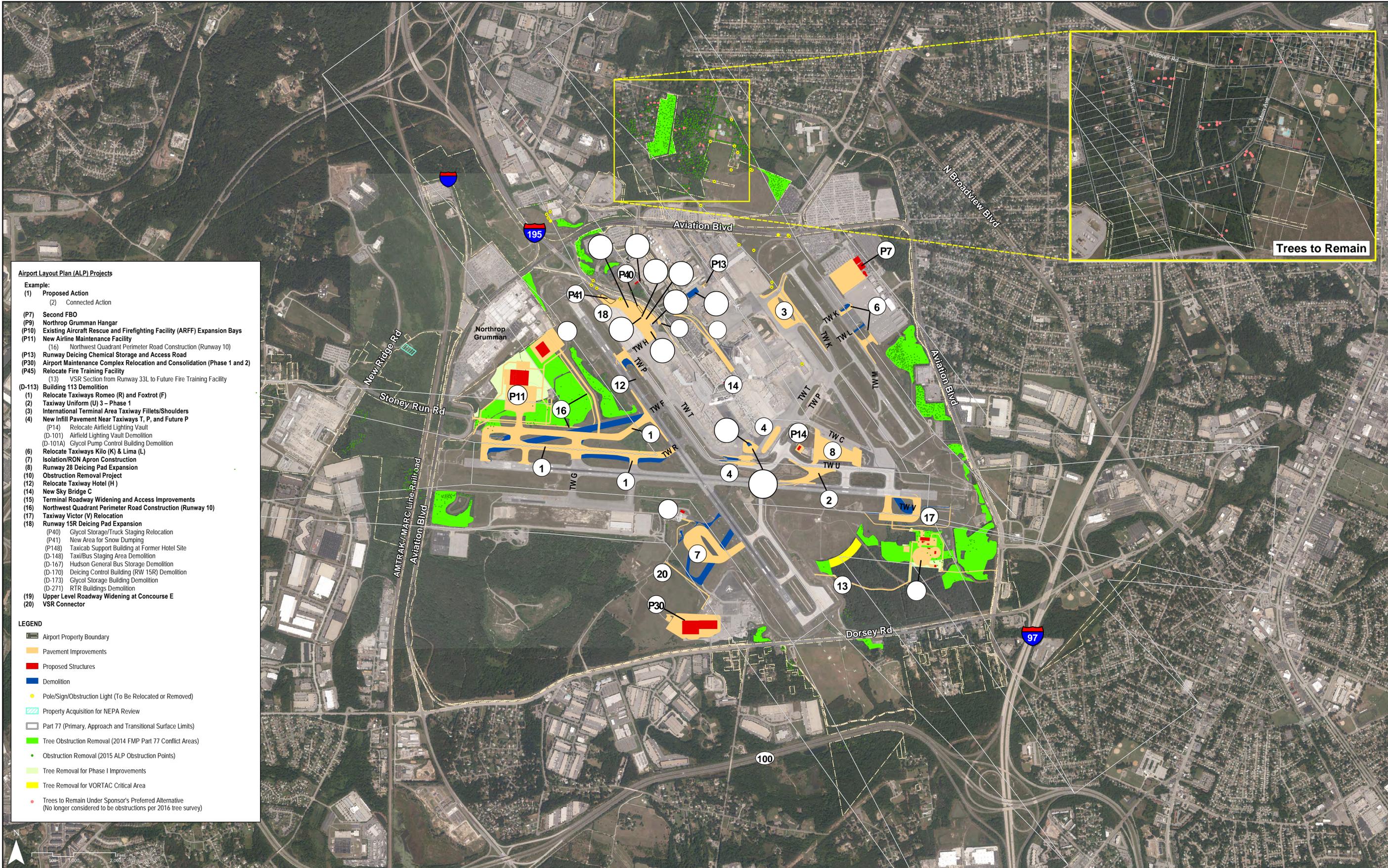
(P45) Relocate Fire Training Facility
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(2) Taxiway Uniform (U) 3 – Phase 1
(7) Isolation/RON Apron Construction
(8) Runway 28 Deicing Pad Expansion
(10) Obstruction Removal Project
(12) Relocate Taxiway Hotel (H)

Legend

- Airport Property Boundary
- Pavement Improvements (Sponsor's Preferred Alternative)
- Proposed Structures (Sponsor's Preferred Alternative)
- Demolition (Sponsor's Preferred Alternative)
- Pavement Improvements (ALP Proposed Action)
- Proposed Structures (ALP Proposed Action)
- Demolition (ALP Proposed Action)

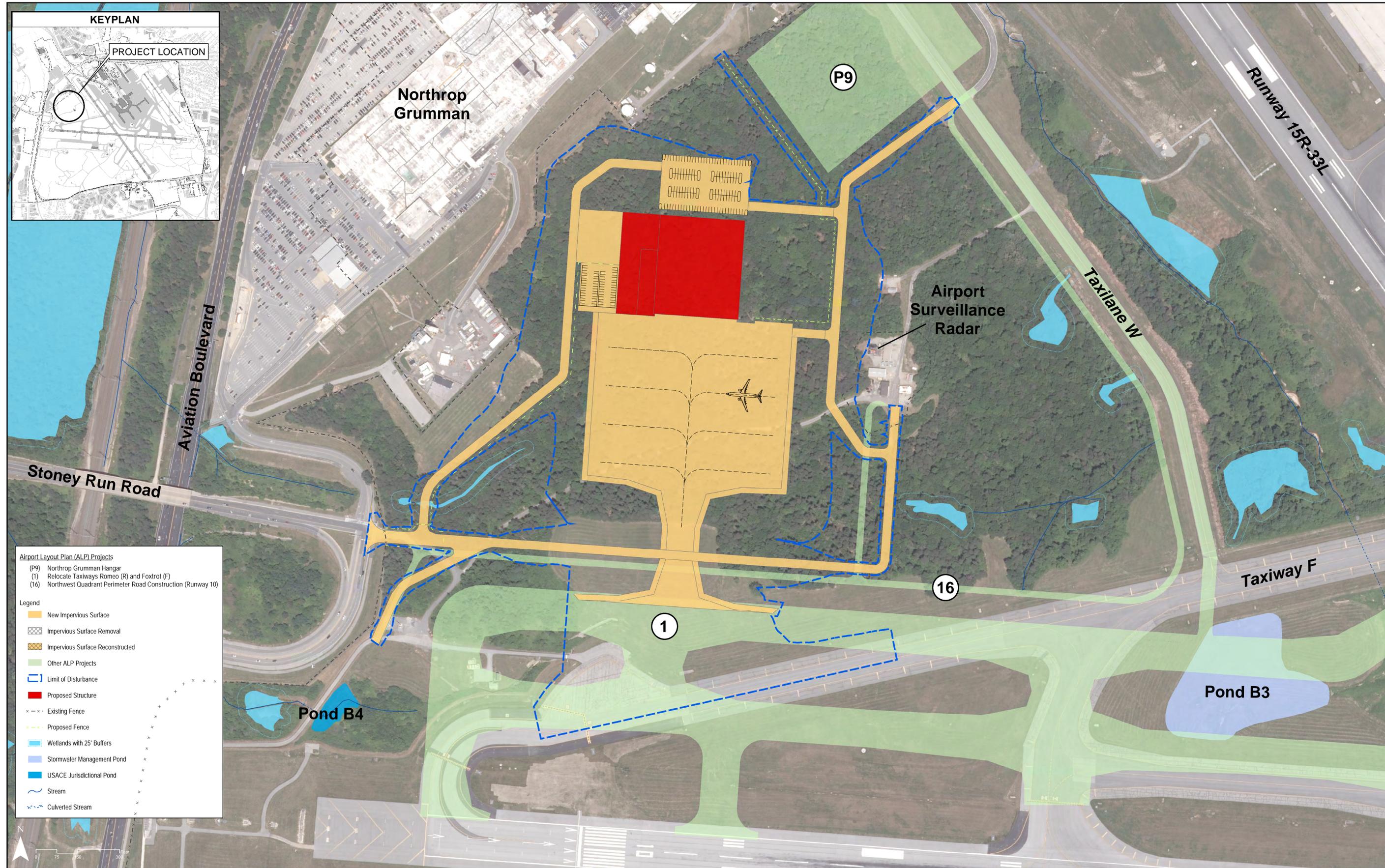
Sponsor's Preferred Alternative



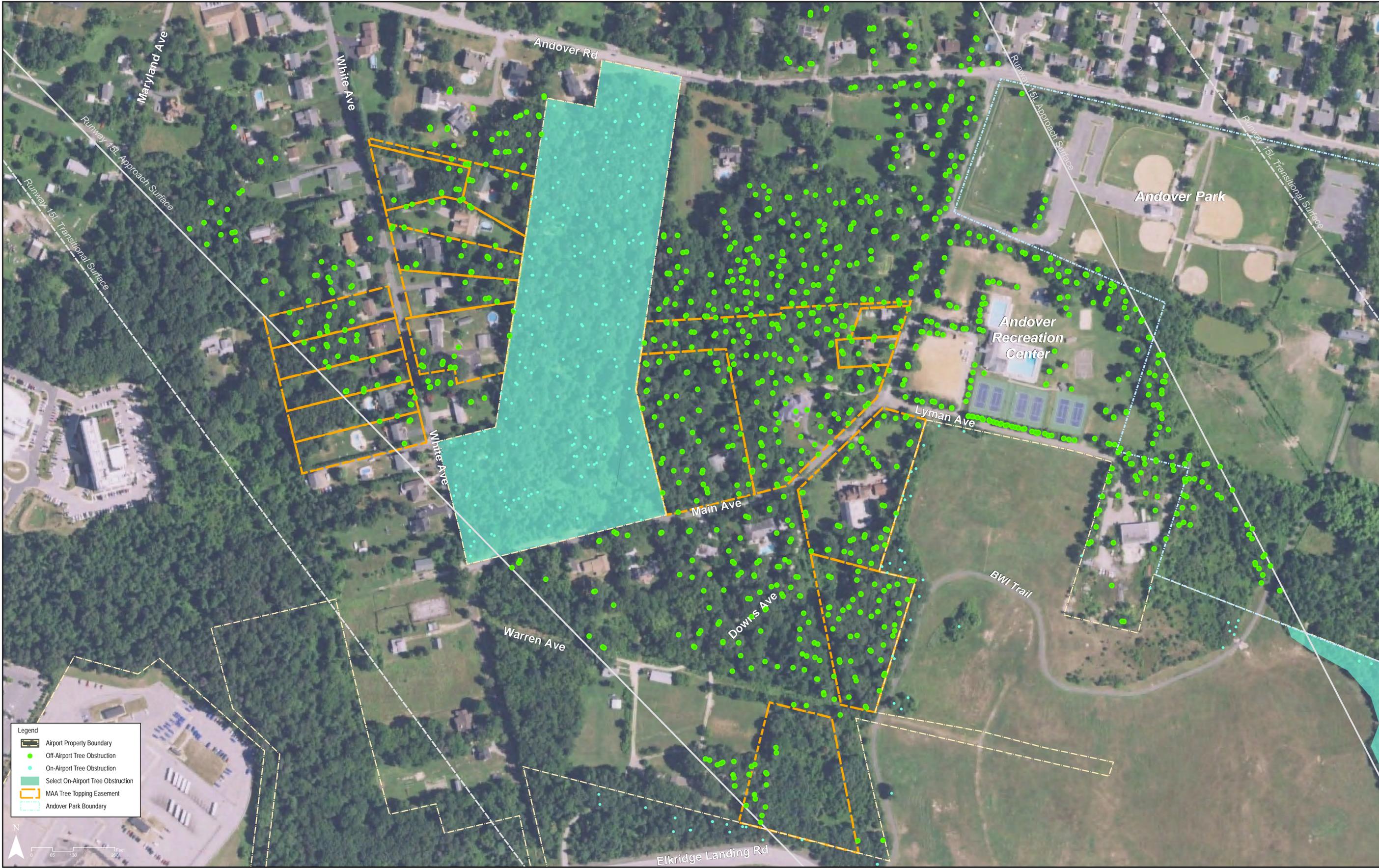
- Airport Layout Plan (ALP) Projects**
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 - (D-101A) Glycol Pump Control Building Demolition
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 - (P40) Glycol Storage/Truck Staging Relocation
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 - (D-271) RTR Buildings Demolition
- (19) Upper Level Roadway Widening at Concourse E**
- (20) VSR Connector**

- LEGEND**
- Airport Property Boundary
 - Pavement Improvements
 - Proposed Structures
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 - Tree Removal for Phase I Improvements
 - Tree Removal for VORTAC Critical Area
 - Trees to Remain Under Sponsor's Preferred Alternative (No longer considered to be obstructions per 2016 tree survey)

Airline Maintenance Facility



Runway 15L Approach Surface Tree Obstructions



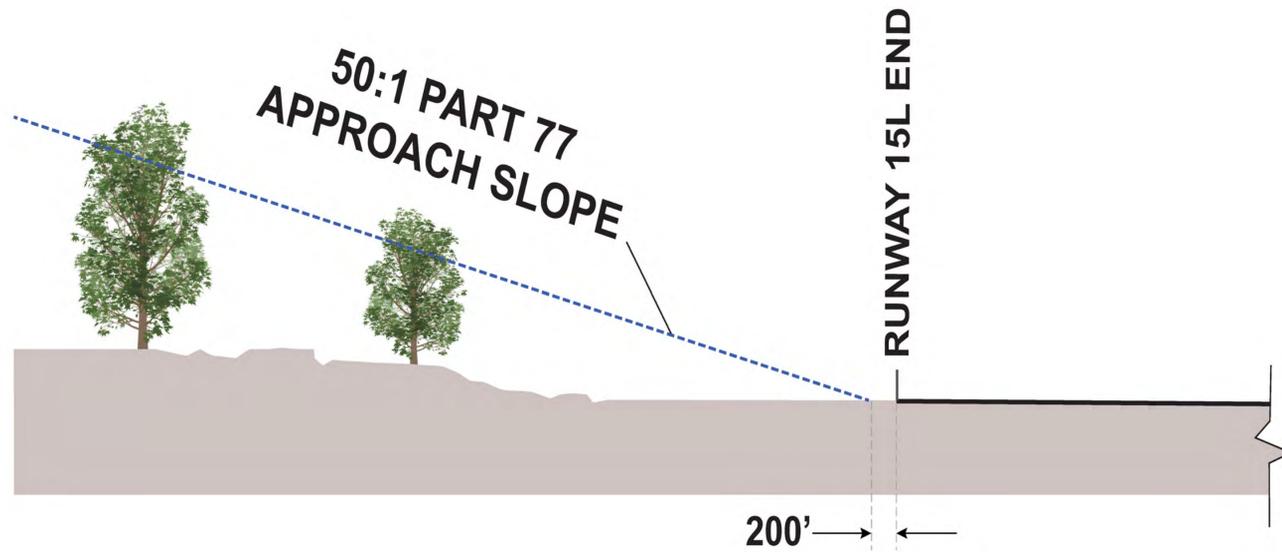
Legend

- Airport Property Boundary
- Off-Airport Tree Obstruction
- On-Airport Tree Obstruction
- Select On-Airport Tree Obstruction
- MAA Tree Topping Easement
- Andover Park Boundary

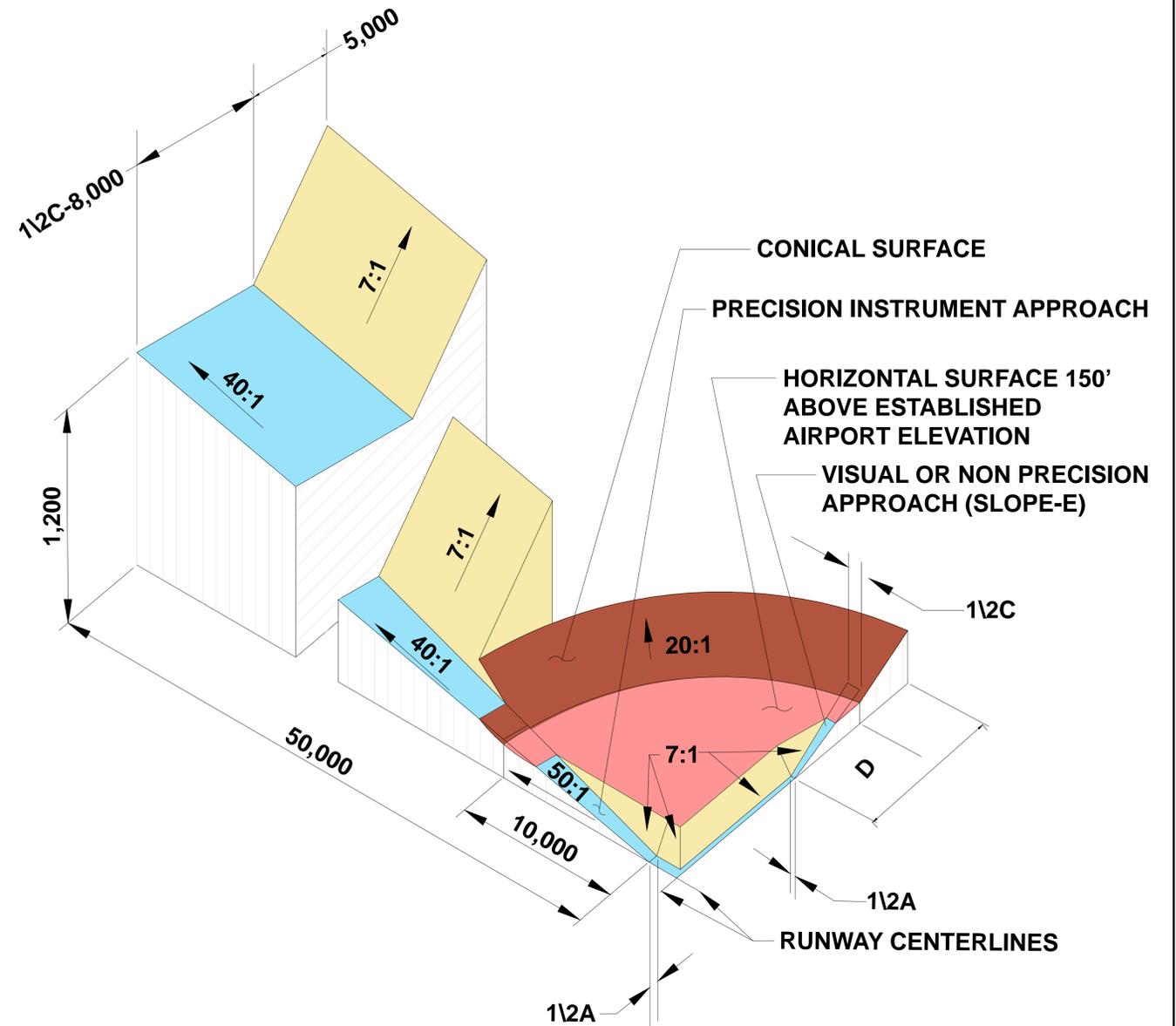


Part 77 Obstruction Removal Surfaces

EA and Section 4(f) Determination for Proposed Improvements 2016-2020



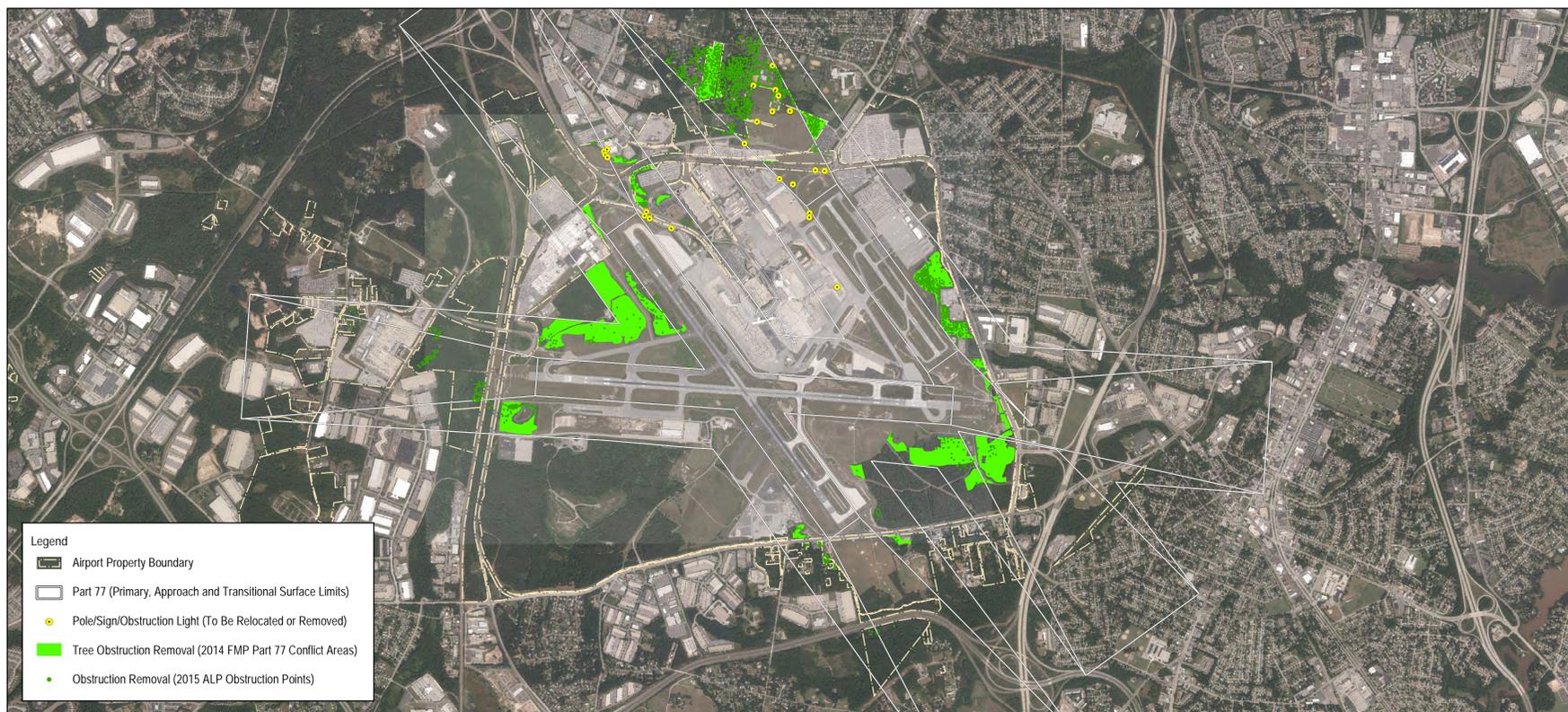
* Objects that penetrate the imaginary surfaces identified in "Safe, Efficient Use, and Preservation of the Navigable Airspace" (14 CFR Part 77) are considered obstructions to navigable airspace.



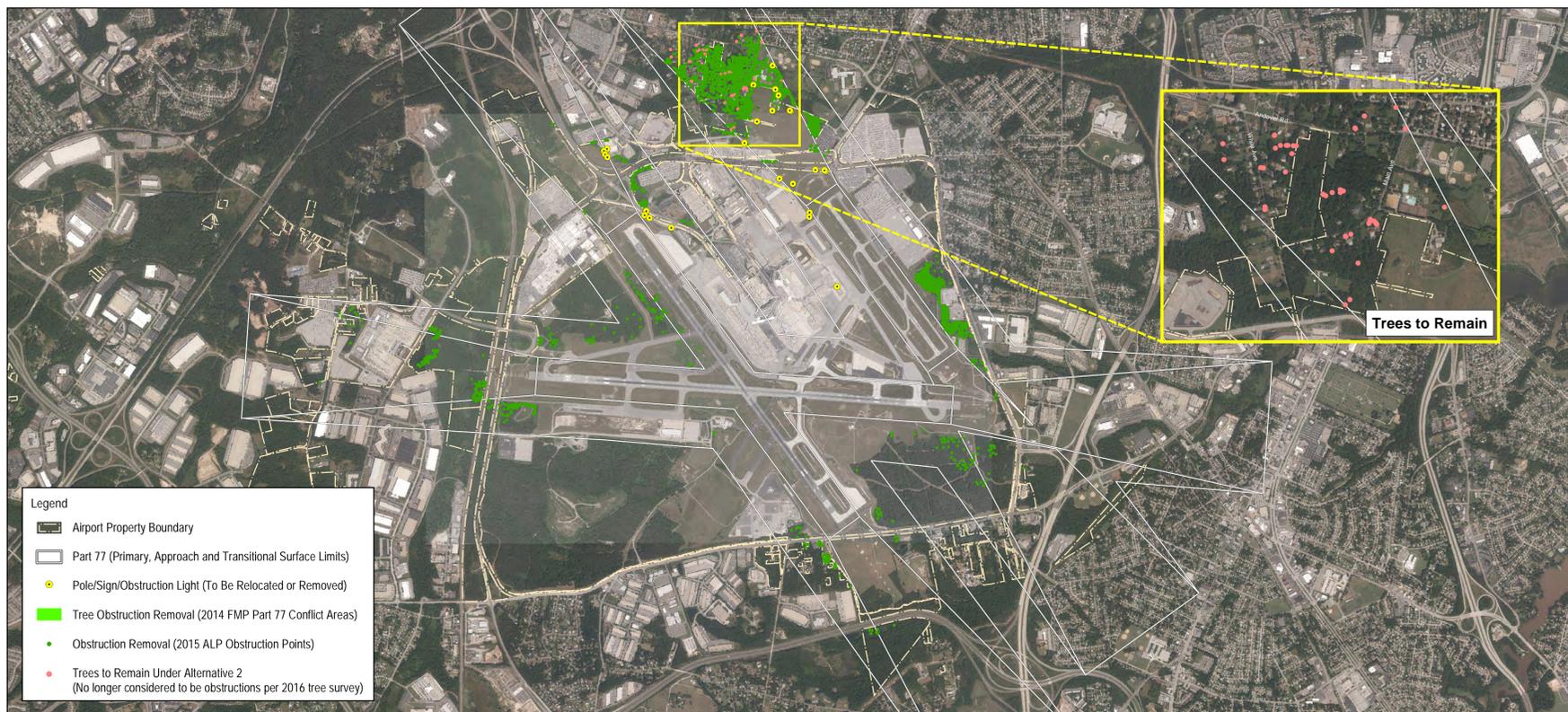
14 CFR Part 77 Imaginary Surfaces

Obstruction Removal Alternatives

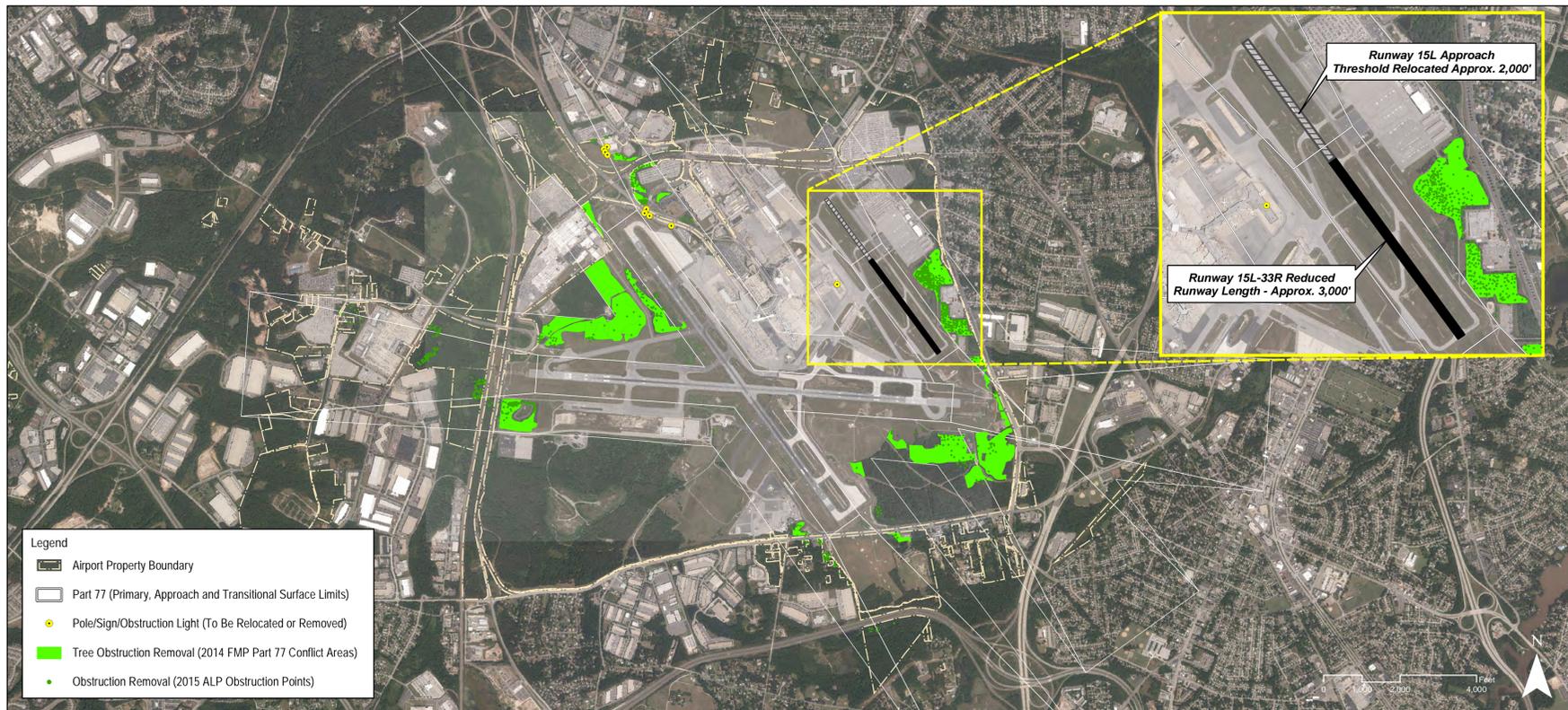
EA and Section 4(f) Determination for Proposed Improvements 2016-2020



Alternative 1 - ALP



Alternative 2 - Minimize Vegetative Obstruction Removal (Sponsor's Preferred)



Alternative 3 - Reduce Runway Length

Environmental Impact Analysis

FAA Order 1050.1F Environmental Impact Category	Sponsor's Preferred Alternative	No Action
Air Quality	No impact on the forecasted operations at the Airport	No impact
Biological Resources	135.7 acres of forest clearing 1,102 individual trees removed off Airport 1,303 individual trees removed on Airport	No impact
<i>Mitigation: Placement of MDNR Forest Conservation Easements on MDOT MAA-owned land.</i>		
Climate	No significant impact	No impact
Coastal Resources	Presumed to be consistent	No impact
DOT Section 4(f) Resources	Presumed to be <i>de minimis</i>	No impact
Farmlands	No significant impact	No impact
Hazardous Materials, Solid Waste, and Pollution Prevention	No significant impact	No impact
Historical, Architectural, Archaeological, and Cultural Resources	No archaeological or architectural resources adversely impacted	No impact
Land Use	No significant impact	No impact
Natural Resources and Energy Supply	No significant impact	No impact
Noise and Noise-Compatible Land Use	No significant impact	No impact
Socioeconomic, Environmental Justice, and Children's Environmental Health and Safety Risks		
Socioeconomic	No significant impact	No impact
Environmental Justice and Children's Environmental Health and Safety Risks	No significant impact	No impact
Traffic	No significant impact	No impact
Visual Effects	No significant impact	No impact
Water Resources		
Wetlands	5.73 acres of wetland impacts 6.84 acres of wetland buffer impacts	No impact
Floodplains	7.07 acres of floodplain impacts	No impact
Surface Waters	1,042 linear feet of stream impact	No impact
Groundwater	No significant impact	No impact

Mitigation: Compensatory mitigation for wetland (including waters of the US) impacts through placement of a Deed of Restrictive Covenants on MDOT MAA-owned parcels within the Stony Run Wetlands of Special State Concern. Stormwater management techniques will be employed for impacts to water quality (surface waters). Erosion and Sediment Control Plans will be developed in accordance with MDE guidelines.

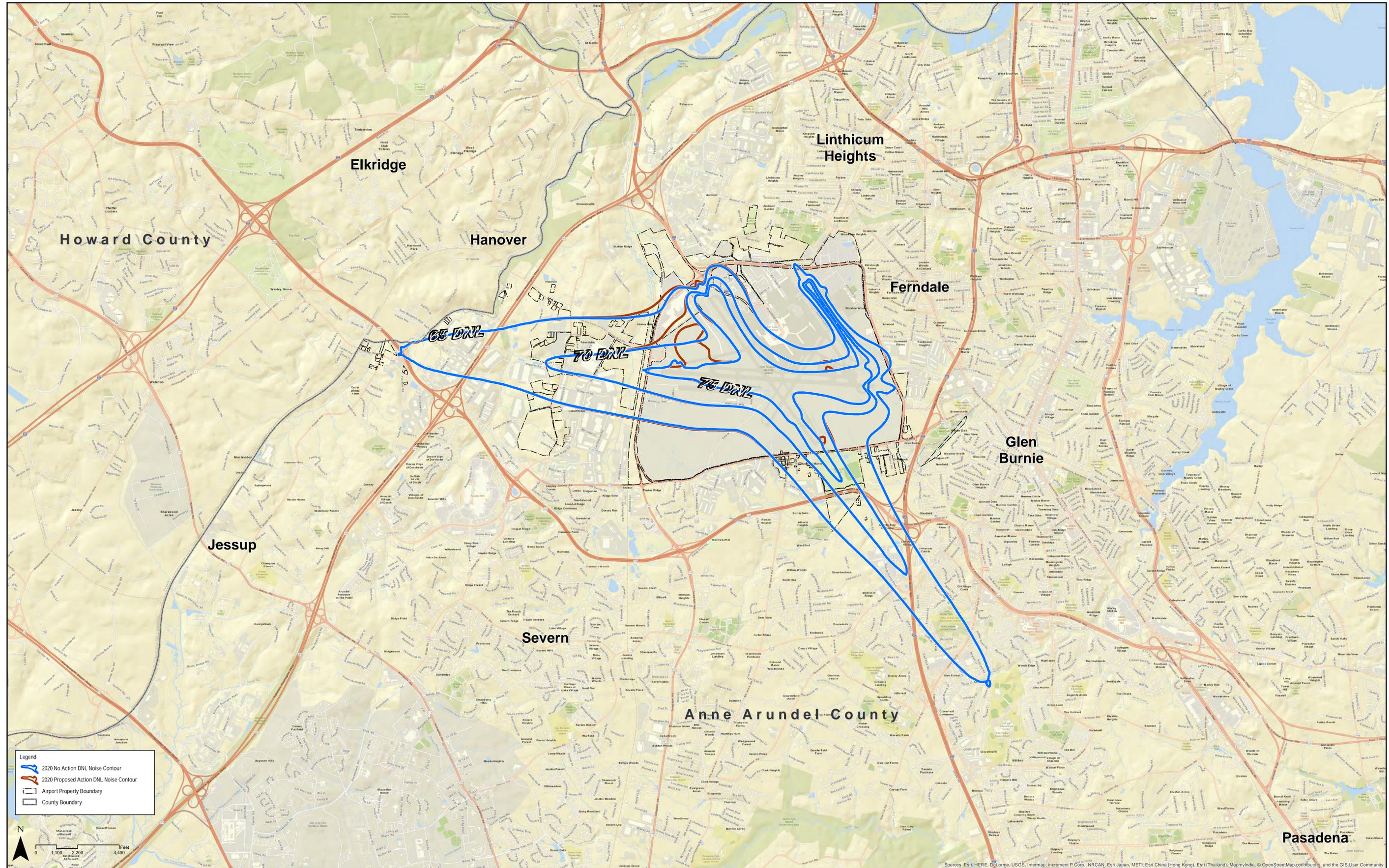
Natural Resources Inventory Map

EA and Section 4(f) Determination for Proposed Improvements 2016-2020



2020 Noise Contours

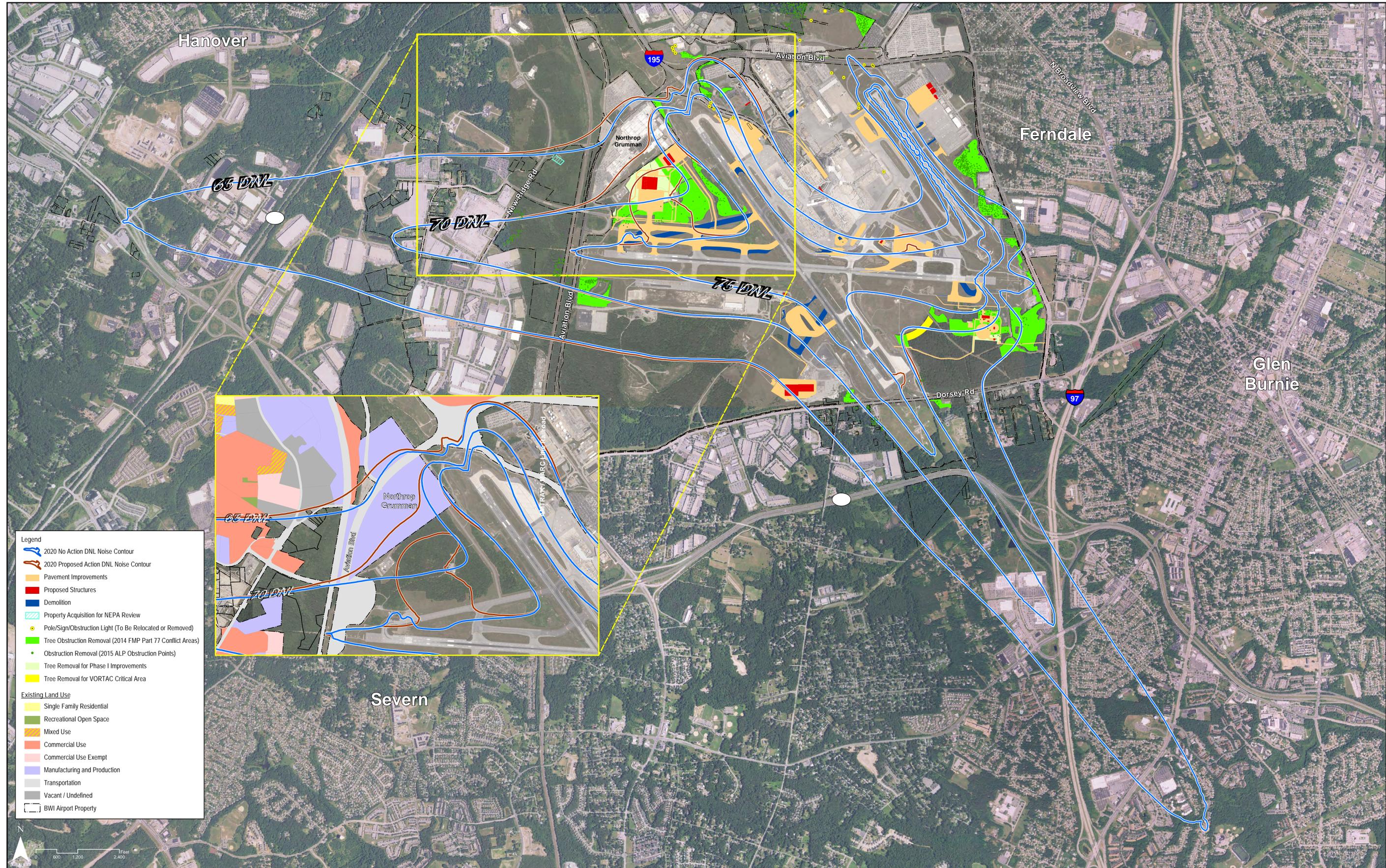
EA and Section 4(f) Determination for Proposed Improvements 2016-2020



Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), Swisstopo, © OpenStreetMap contributors, and the GIS User Community

Comparison of 2020 Proposed Action and No Action Noise Contours

EA and Section 4(f) Determination for Proposed Improvements 2016-2020



Legend

- 2020 No Action DNL Noise Contour
- 2020 Proposed Action DNL Noise Contour
- Pavement Improvements
- Proposed Structures
- Demolition
- Property Acquisition for NEPA Review
- Pole/Sign/Obstruction Light (To Be Relocated or Removed)
- Tree Obstruction Removal (2014 FMP Part 77 Conflict Areas)
- Obstruction Removal (2015 ALP Obstruction Points)
- Tree Removal for Phase I Improvements
- Tree Removal for VORTAC Critical Area

Existing Land Use

- Single Family Residential
- Recreational Open Space
- Mixed Use
- Commercial Use
- Commercial Use Exempt
- Manufacturing and Production
- Transportation
- Vacant / Undefined
- BWI Airport Property

Public Workshop Comments

- Submit comments to:

Ms. Robin M. Bowie

Director, Office of Environmental Services
Maryland Department of Transportation
Maryland Aviation Administration

P.O. Box 8766

BWI Airport, MD 21240

rbowie@bwiairport.com

410-859-7082 (Fax)

- Or place your comments in the Comment Box tonight.
- Please submit comments by **February 5** to ensure your input is considered in the EA process.

PURPOSE AND NEED

The purpose of implementing the Proposed Action:

- To meet various FAA design criteria;
- To enhance airfield safety and efficiency;
- To accommodate existing and anticipated demand;
- To improve customer service; and
- To perform a NEPA review on land previously acquired by MDOT MAA.

The 2011 *Baltimore / Washington International Thurgood Marshall Airport Master Plan* developed projections of activity levels for both aircraft operations and passengers that would use the Airport, and associated those levels with the need for additional facilities (improvements). Within the Master Plan, the timing for commercial (passenger and cargo) and non-commercial (general aviation and military) improvements is tied to specific activity levels. The Proposed Action includes those improvements required to accommodate the projected activity levels through 2020 and address specific needs identified for each component of the Proposed Action.

ALTERNATIVES

Alternatives were identified, screened, and either eliminated from further consideration or carried forward for environmental analysis. Both “action” and “no action” alternatives were considered. While a “no action” alternative may not address an identified area of need, evaluation of the “no action” alternative is required per CEQ regulations. The “no action” alternative serves as a basis of comparison with other alternatives retained for environmental analysis. The Sponsor’s Preferred Alternative – identified in the Draft EA and Draft Section 4(f) Determination – is comprised of the alternative for each proposed project element that best meets the purpose and need and avoids or minimizes potential environmental impacts.

ENVIRONMENTAL ANALYSIS

Environmental categories identified in FAA Order 1050.1F, *Environmental Impacts: Policies and Procedures*, and included in the NEPA analysis were: air quality; biological resources (including fish, wildlife, and plants); climate; coastal resources; Department of Transportation Section 4(f); farmlands; hazardous materials, solid waste, and pollution prevention; historical, architectural, archaeological, and cultural resources; land use: natural resources and energy supply; noise and compatible land use; socioeconomics, environmental justice, and children’s environmental health and safety risks; visual effects (including light emissions); and water resources (including wetlands, floodplains, surface waters, groundwater, and wild and scenic rivers).

DRAFT EA AND DRAFT SECTION 4(f) DETERMINATION REVIEW AND SUBMITTING COMMENTS

The Draft EA is available for review online at the following website with hardcopies available at the locations listed below: <http://www.marylandaviation.com/content/environmental/environmentaldocs.html>

Federal Aviation Administration
Washington Airports District
Office
23723 Air Freight Lane, Suite 210
Dulles, VA 20166

Maryland Dept. of Transportation
Maryland Aviation Administration
Office of Environmental Services
991 Corporate Boulevard
Linthicum, MD 21090

Anne Arundel County Library
Linthicum Branch
400 Shipley Road
Linthicum, MD 21090

Anne Arundel County Library
Glen Burnie Regional Library
1010 Eastway
Glen Burnie, MD 21060

The document will be available for review and comment until **February 5, 2018**. Comments can be mailed, emailed, or faxed via the contact information below:

Ms. Robin M. Bowie, Director, Office of Environmental Sciences
Maryland Dept. of Transportation Maryland Aviation Administration
P.O. Box 8766, BWI Airport, MD 21240

Email: rbowie@bwiairport.com
Fax: 410-859-7082



DRAFT ENVIRONMENTAL ASSESSMENT AND DRAFT SECTION 4(f) DETERMINATION PROPOSED IMPROVEMENTS 2016-2020

AT BALTIMORE / WASHINGTON INTERNATIONAL THURGOOD MARSHALL AIRPORT

PUBLIC WORKSHOP

JANUARY 25, 2018

PROJECT BACKGROUND

The Maryland Department of Transportation Maryland Aviation Administration (MDOT MAA) prepared a Draft Environmental Assessment (EA) and Draft Section 4(f) Determination to identify and assess the potential environmental impacts resulting from the implementation of the proposed improvements included in the 2016-2020 phase of its Airport Layout Plan (ALP). An ALP is a planning document coordinated with the Federal Aviation Administration (FAA) that provides a graphic depiction of the existing and proposed airport facilities and long-term development.

The Draft EA was prepared in accordance with the National Environmental Policy Act of 1969 (NEPA) and the Council on Environmental Quality (CEQ) implementing regulations, which requires consideration of potential environmental impacts within an agency’s decision-making process. NEPA requires an analysis of human, cultural, and natural resources. The Draft Section 4(f) Determination was developed in compliance with DOT Order 5610.1C (*Procedures for Considering Environmental Impacts*) and the U.S. DOT Federal Highway Administration Section 4(f) Policy Paper. MDOT MAA is requesting unconditional approval of the ALP depicting the current proposed actions as well as opportunity to seek Federal funding in the form of Airport Improvement Program (AIP) grants.



PROPOSED ACTION

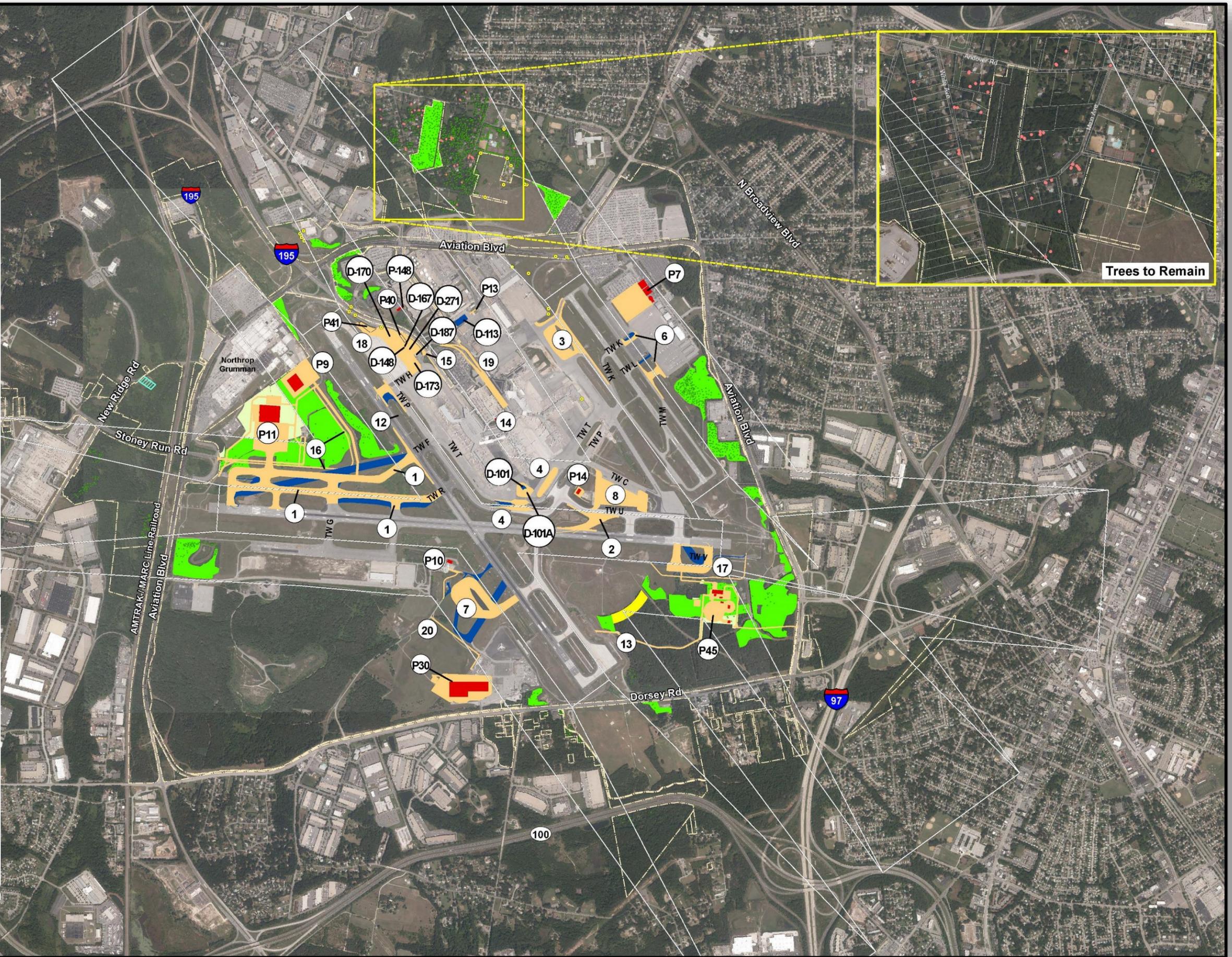
The Proposed Action includes various improvements identified in the 2016-2020 phase of the 2015 ALP to meet airport needs and objectives. The figure on the inside of this handout depicts the proposed improvements. For each element, the purpose and need, alternatives, and potential environmental impacts resulting from its implementation are discussed in detail in the Draft EA and Draft Section 4(f) Determination.

Airport Layout Plan (ALP) Projects

- Example:**
 (1) Proposed Action
 (2) Connected Action
- (P7) Second FBO
 (P9) Northrop Grumman Hangar
 (P10) Existing Aircraft Rescue and Firefighting Facility (ARFF) Expansion Bays
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LEGEND

-  Airport Property Boundary
-  Pavement Improvements
-  Proposed Structures
-  Demolition
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-  Tree Removal for Phase I Improvements
-  Tree Removal for VORTAC Critical Area
-  Trees to Remain Under Sponsor's Preferred Alternative (No longer considered to be obstructions per 2016 tree survey)





Public Workshop

Draft EA and Draft Section 4(f) Determination for
Proposed Improvements 2016-2020
at BWI Marshall Airport

January 25, 2018



PRESENTATION OVERVIEW

- Format and Purpose of the Public Workshop
- Project Background
- Environmental Assessment (EA)
 - Why an EA?
 - Purpose and Need
 - Alternatives
 - Environmental Impacts
- Section 4(f) Determination
- Next Steps



PURPOSE OF THE PUBLIC WORKSHOP

- Provide a face-to-face opportunity to discuss questions or concerns.
- Solicit public input and comments on Draft EA contents/findings.
- Provide a forum to submit formal written comments.



ENVIRONMENTAL ASSESSMENT

➤ What is an Environmental Assessment?

- An EA is a concise public document that provides sufficient evidence and analysis for determining the level of environmental impacts.
- The EA is prepared in accordance with the National Environmental Policy Act of 1969 (NEPA) and its implementing regulations of the Council on Environmental Quality (CEQ), and FAA Order 1050.1F *Environmental Impacts: Policies and Procedures*.
- MDOT MAA is preparing this document for the FAA to evaluate the potential impacts to the environment and to provide a detailed review of the proposed development actions.

➤ End Result of an EA

- An EA is prepared to determine whether the Proposed Action has the potential to cause significant environmental impacts.
- If No Significant Impacts are found:
 - FAA Issues a Finding of No Significant Impact (FONSI).
- If Significant Impacts are found:
 - FAA Issues a Notice of Intent to prepare an Environmental Impact Statement (EIS).

PURPOSE AND NEED

- Meet FAA Design Standards
- Enhance Airfield Safety and Efficiency
- Accommodate Existing and Anticipated Demand
- Improve Customer Service
- Conduct NEPA Review of Previously Acquired Property

ALTERNATIVES

➤ No Action Alternative

- Represents BWI Marshall Airport in its current state without any proposed improvements.
- Serves as a basis of comparison with other alternatives.

➤ ALP Alternative

- 2016-2020 Proposed Airport Improvements as shown on the FAA conditionally approved April 2015 ALP.

➤ Sponsor's Preferred Alternative

- Includes many of the projects as shown on the ALP, but includes modifications to various ALP Alternative projects as a result of additional planning efforts and considerations.
- “Preferred Alternative” because it addresses all identified needs while minimizing environmental impacts.

PROPOSED ACTION PROJECTS

- Improve, construct and relocate taxiways and aprons
- Remove airspace obstructions
- Relocate fire training facility
- Expand aircraft rescue and firefighting facility (ARFF)
- Rehabilitate and improve airport pavement
- Construct a second fixed-base operator (FBO)
- Construct vehicle service roadway connectors and portions of the airport perimeter and access roads
- Conduct NEPA review of acquired Stoney Run property
- Expand aircraft deicing pads and increase deicing chemical storage
- Construct new aircraft hangar
- Construct airline maintenance facility
- Relocate and consolidate airport maintenance complex
- Demolish Building 113
- Construct new Sky Bridge C
- Widen terminal roadway with Access Improvements
- Widen upper level roadway at Concourse E

ENVIRONMENTAL IMPACTS

➤ No Significant Impacts

- Air Quality; Climate; Coastal Resources; Farmlands; Hazardous Materials, Solid Waste, and Pollution Prevention; Historical, Architectural, Archaeological, and Cultural Resources; Land Use; Natural Resources and Energy Supply; Noise and Noise-Compatible Land Use; Socioeconomic, Environmental Justice, and Children's Environmental Health and Safety Risks (and Traffic); Visual Effects; and Groundwater.
- Design and construction would comply with all federal, state and local regulations, including permit requirements.

ENVIRONMENTAL IMPACTS

➤ No Significant Impacts (With Mitigation)

Biological Resources:	135.7 acres of forest clearing 1,102 individual trees removed off Airport 1,303 individual trees removed on Airport
------------------------------	---

Mitigation: Placement of MDNR Forest Conservation Easements on MDOT MAA-owned land.

Water Resources:

Wetlands	5.73 acres of wetland impacts 6.84 acres of wetland buffer impacts
Floodplains	7.07 acres of floodplain impacts
Surface Waters	1,042 linear feet of stream impact

Mitigation: Compensatory mitigation for wetland (including waters of the US) impacts through placement of Deed of Restrictive Covenants on MDOT MAA-owned parcels within the Stony Run Wetlands of Special State Concern. Stormwater management techniques will be employed for impacts to water quality (surface waters). Erosion and Sediment Control Plans will be developed in accordance with MDE guidelines.

SECTION 4(f) DETERMINATION

➤ Why a Section 4(f) Determination is needed?

- The US Department of Transportation Act – Section 4(f)* affords protection to certain publicly-owned properties that may be potentially impacted by FAA projects.
 - “the Secretary of Transportation will not approve a project that requires the use of any publicly-owned land from a public park...unless there is no feasible and prudent alternative to the use of such land...and [unless] the project includes all possible planning to minimize harm resulting from the use.”
- Andover Park is located within the proposed project limits of disturbance.
 - Proposed vegetative obstruction removal within a portion of the park.
 - No alteration to the use of the park (sports fields and picnic areas).
 - Potential visual changes to park users.

SECTION 4(f) RESOURCE – ANDOVER PARK



SECTION 4(f) DETERMINATION

➤ Who makes the Section 4(f) Determination?

- The FAA makes a determination on the potential impact to Andover Park, and therefore, the document is officially titled “EA and Section 4(f) Determination.”
- The FAA made a draft *de minimis* determination that Andover Park would not be adversely affected by the proposed project (contingent upon public comments received).
 - *De minimis* determination: The project would not adversely affect the activities, features, or attributes qualifying the site for protection under Section 4(f).
 - 3/24/17: Anne Arundel County concurred that the project would not adversely affect Andover Park.

MOVING FORWARD

- Respond to Public and Agency Comments on Draft EA
- If No Significant Impacts:
 - Prepare Final EA
 - FAA Issues Finding of No Significant Impact (FONSI)
 - Environmental Permitting
 - Design and Construction of Projects Moves Forward
- If Significant Impacts:
 - FAA Issues Notice of Intent to Prepare an Environmental Impact Statement (EIS)

NEXT STEPS

- Submit comments to:

Ms. Robin M. Bowie
Director, Office of Environmental Services
Maryland Department of Transportation
Maryland Aviation Administration
P.O. Box 8766
BWI Airport, MD 21240
rbowie@bwiairport.com
410-859-7082 (Fax)

- Please submit comments by **February 5** to ensure your input is considered in the EA process.

**Draft Environmental Assessment and Draft Section 4(f) Determination
for Proposed Improvements 2016-2020 at
Baltimore / Washington International Thurgood Marshall Airport
Public Workshop
January 25, 2018
5:00 pm - Maryland Department of Transportation Maryland Aviation Administration Offices**



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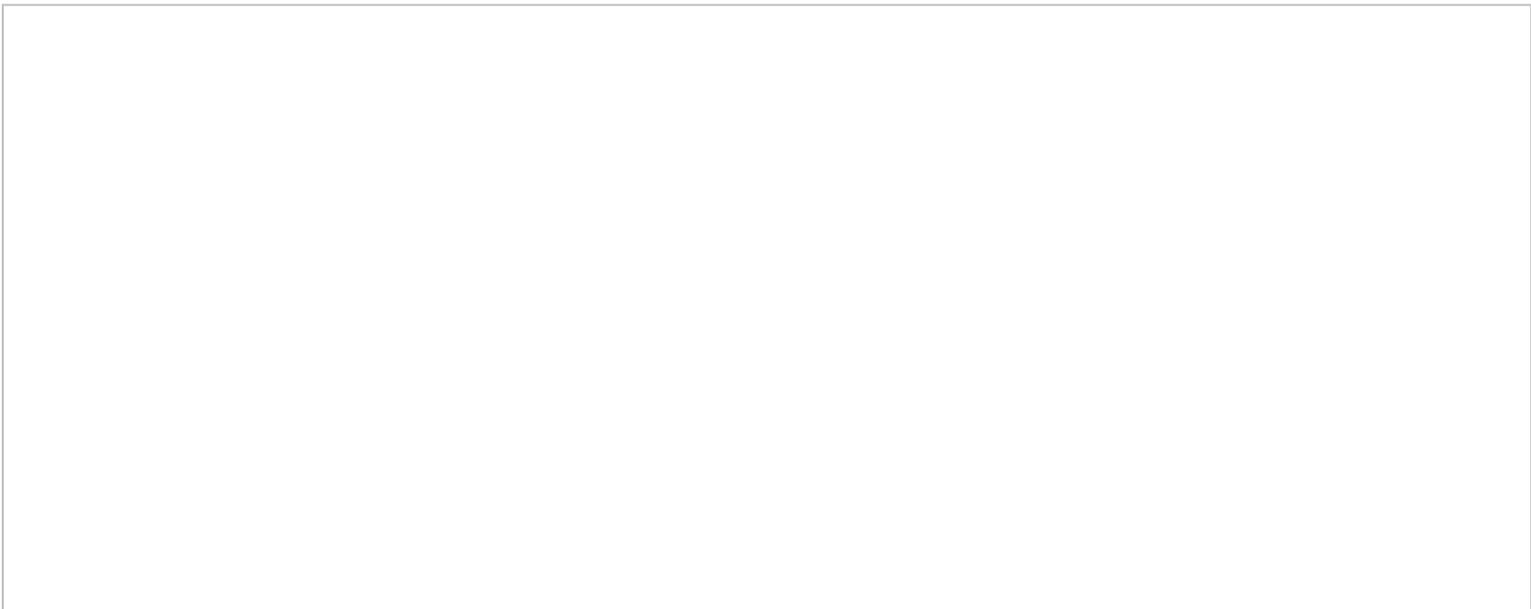
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Address Services Requested

Postage
Required

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