

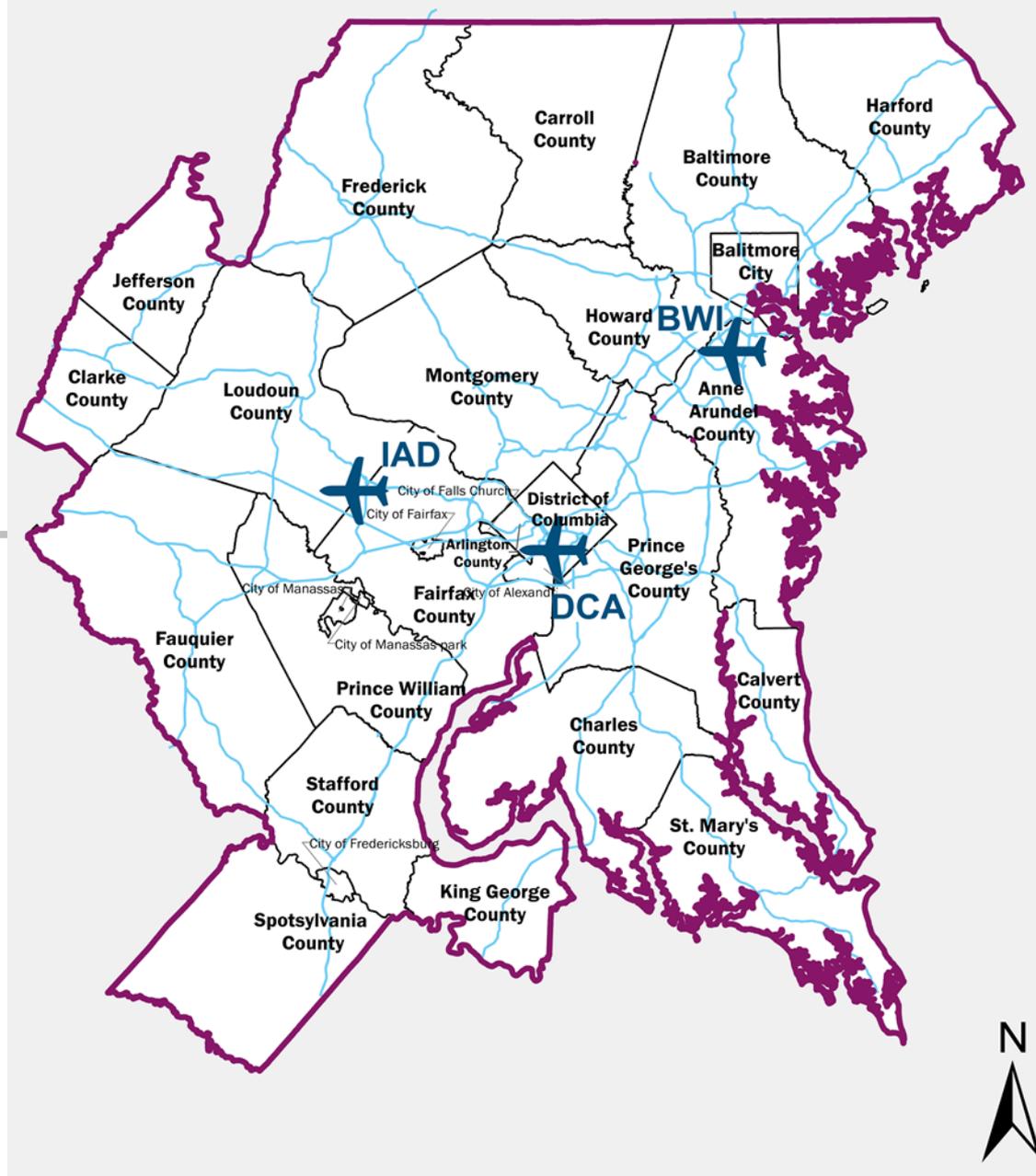
CONTINUOUS AIRPORT SYSTEMS PLANNING PROGRAM UPDATE

Timothy Canan, AICP
TPB Planning Data and Research Program Director

TPB Technical Committee
February 3, 2023

Washington-Baltimore Air Systems Region at a Glance

The Washington-Baltimore Air System Planning Region (ASPR) stretches from the Pennsylvania border to the north to Spotsylvania County, VA, to the south, and from the Chesapeake Bay in the east to the Shenandoah Valley to the west



Regional Airport Systems Planning

- Carried out in the National Capital Region by COG/TPB for 40 years.
- The **Continuous Airport System Planning Program (CASP)** provides a regional process that supports planning, development and operation of airport and airport-serving transportation facilities in a systematic framework for the Washington region.
- The TPB Aviation Technical Subcommittee develops, implements, and monitors CASP program activities and oversees integration of airport system planning with the regional transportation planning process.
Members include:
 - Federal Aviation Administration (FAA)
 - Maryland Aviation Administration (MAA)
 - Virginia Department of Aviation (DOAV)
 - District of Columbia Office of Planning (DCOP)
 - District Department of Transportation (DDOT)
 - Metropolitan Washington Airports Authority (MWWA)
 - Staff from the Baltimore Metropolitan Council (BMC)

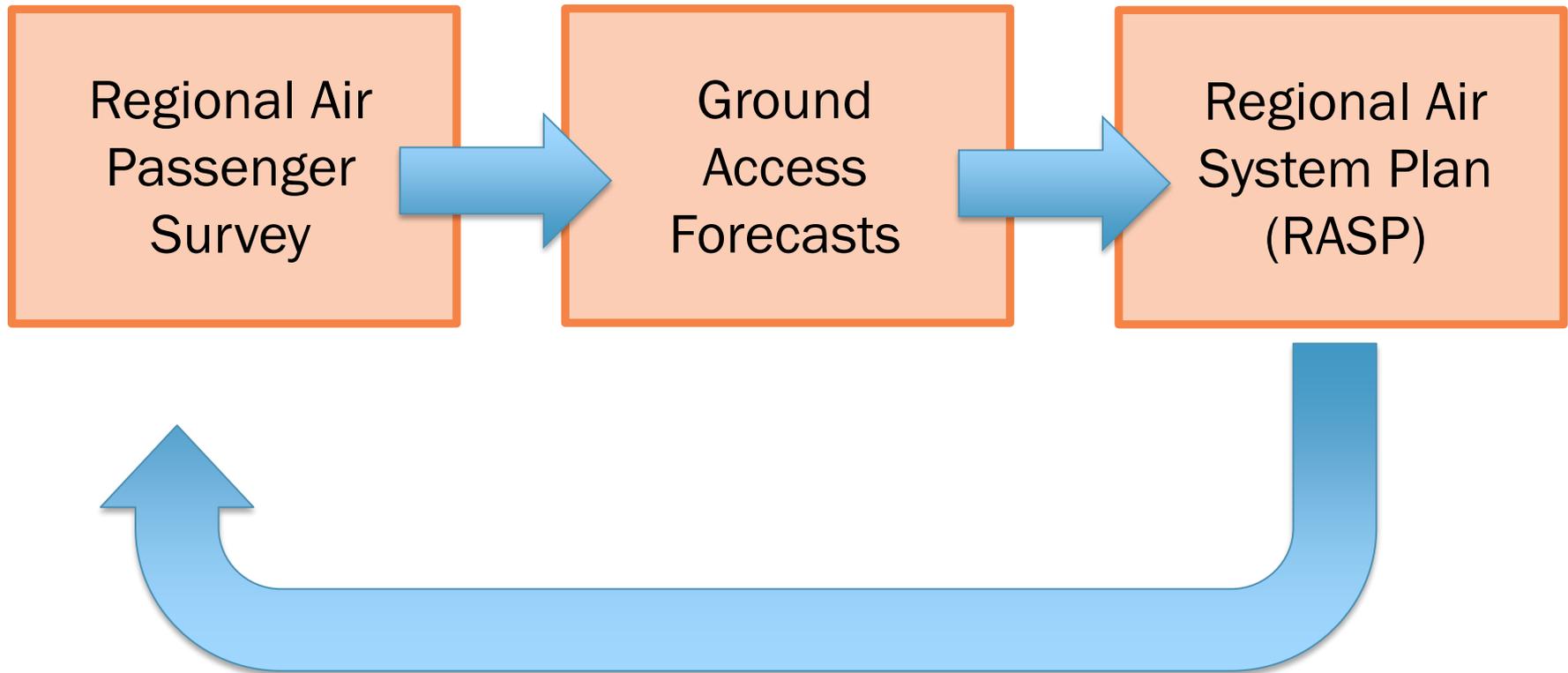


Staff Support

- The CASP Program is supported by staff from the Planning Data and Research Program (Tim Canan, Program Director)
 - Program Management: Nicole McCall, Manager Planning Research and Assistance
 - Technical Staff:
 - Ken Joh, Principal Survey Statistical Analyst
 - Zhuo Yang, Transportation Data Analyst
 - Regional Airport System Planner (Active Recruitment)
- Work Products, including final reports and visualization products, developed with assistance from Charlene Howard, Manager Planning Data Resources, and her staff



CASP Planning Cycle



Regional Airport System Plan

- Most recently completed in late 2020
- Ground Access Element
 - Demand Analysis (forecasts, airport development needs)
 - Supply Analysis (planned projects that support airport ground access)
 - Needs Assessment
 - Air Service: Terminal Development Elements, Airfield Improvements
 - Cargo Operations
 - Ground Access & Landside Support Facilities
 - Curbside Access
 - Parking
 - General Aviation



Airport Capital Improvement Program (ACIP)

- 5-year federal funding program for CASP projects
- Required by FAA for the planning and programming of federal funding for airport system needs
- Joint coordination effort between COG/TPB and FAA to identify airport improvement projects (AIPs) for which we intend to seek funding over the next 5 years based on the anticipated level of FAA appropriations
- Not a commitment of federal funds at the time of preparation
- Most recent approved ACIP included with FAA CASP grant application, submitted annually



ACIP includes key CASP projects needed to support the cyclical planning process

ACIP Projects

CASP 33 (FFY 2019)

- Process 2017 Air Passenger Survey (Phase 2)
- Regional Airport System Plan, Phase 3

CASP 34 (FFY 2020)

- Ground Access Forecasts and Ground Access Element Update (based on 2017 APS)
- Process 2019 Air Passenger Survey (Phase 1)

CASP EX (Supplemental Grant)

- Air Passenger Survey Response Rate and Quality Study

CASP 35 (FFY 2021)

- Process 2019 Air Passenger Survey (Phase 2)
- Ground Access Travel Time Update

CASP 36 (FFY 2022)

- Update Ground Access Forecasts and Ground Access Element Update (based on 2019 APS)

CASP 37 (FFY 2023)

- Process 2023 Air Passenger Survey (Phase 1)

CASP 38 (FFY 2024)

- Process 2023 Air Passenger Survey (Phase 2)
- Update Ground Access Forecasts and Ground Access Element Update (based on 2023 APS)

Key

Complete

Under way

Not Started

Grant Not Yet Awarded



Regional Air Passenger Survey Overview

- TPB has conducted a regional air passenger survey at the three Baltimore-Washington area airports (BWI, DCA, IAD) since 1973, and conducted approximately every two years since 2001 (last survey was in 2019)
- Provides critical data on air passenger characteristics, ground access information, and factors that influence airport choice
- Key source of observed data for regional air systems planning and informs long-range regional transportation planning
- Survey conducted as a paper-based intercept survey at boarding gates using a stratified sampling approach



2023 Washington-Baltimore Regional Air Passenger Survey

- First survey since 2019 due to significant disruptions to air travel resulting from impacts of the pandemic
- Will implement survey enhancements, including pre-test
- Results of pre-test will be evaluated, and lessons learned will be incorporated into the full survey conducted in fall 2023
- Contractor support will be provided by ICF through a task order from TPB's on-call transportation planning services contract

Enhancements to Survey in 2023

- Web based questionnaire with skip logic and conditional branching
- Discontinue use of paper-based data collection and use handheld electronic tablets for primary data collection; printed information material with a QR code will be available for participants who prefer to take the survey on a personal electronic device
- Offer a participation incentive in the form of a raffle at each airport
- Conduct a survey pretest to evaluate the survey approach and methods and make any refinements in advance of the full-scale survey



Future CASP Activities

- Submit 2023-2027 ACIP to FAA (February 2023)
- Submit CASP 38 Grant Application (Spring 2023)
- Projects
 - Ground Access Travel Time Study, which had been delayed due to COVID-19 impacts on ground and air travel (Began late 2022)
 - 2023 Air Passenger Survey
 - Air Cargo Element Update
- Currently recruiting for Planner II/III (DOQ) to lead CASP planning studies and coordinate Aviation Technical Subcommittee



Timothy Canan, AICP

Planning Data and Research Program Director

(202) 962-3280

tcanan@mwkog.org

mwkog.org/tpb

Metropolitan Washington Council of Governments

777 North Capitol Street NE, Suite 300

Washington, DC 20002



National Capital Region
Transportation Planning Board