PVD Master Plan Open House
May 22, 2019

Agenda
4:30 – 4:45: Welcome
4:45 – 5:30: Presentation – PVD Master Plan Update
5:30 – 6:15: Questions & Answers
6:15 – 6:30: Break
6:30 – 7:15: Presentation – PVD Master Plan Update (Repeat of 4:45 presentation)
7:15 – 8:00: Questions & Answers
Topics To Be Covered

• Why a Master Plan Update?
• Master Plan Process & Status
• Recent Master Plan Activity
• Public Outreach
• Technical Advisory Committee
• Forecast Summary & Passenger Activity Levels (PALs)
• Facility Requirements
• Airside, Terminal, Landside, and General Aviation/Cargo
• Aircraft Noise
• Key Next Steps
• Questions & Answers
Master Plan Update

• Define feasible and flexible development plans to accommodate forecasted demand over a 20 year period

• FAA defined process to provide framework for development

• Tool for Airport to react to uncertainties by examining industry trends, technology improvements, and regional economic development variables

• What is not in this master plan update:
  o No runway lengthening or realignment is being considered; concepts are within existing property limits
  o NEPA process will be performed upon completion
Master Plan Process & Status

- **Inventory** (Completed)
- **Forecasts of Demand** (Requires FAA Approval)
- **Stakeholder and Public Involvement** (Current Effort)
- **Demand/Capacity Facility Requirements** (Completed)
- **Alternatives Development and Evaluation** (Current Effort)
- **Environmental Overview and Considerations** (Current Effort)
- **Phasing and Financial Strategy** (Pending Start Up)
- **Master Plan Report** (Pending Start Up)
- **ALP Set** (Pending Start Up)

- ✓ - Working Draft Paper Completed
- ○ - Current Effort
- X - Pending Start Up
Recent Master Plan Activity

✓ Board Approval for Task Order 6 Received - **February 7**
✓ Kick Off Meeting on Task Order 6 – **March 8**
✓ Communications Plan Developed and Underway
  o Monthly Key Stakeholder Group Outreach – **April 1 & May 3**
  o Press Release Issued – **April 3**
  o Technical Advisory Committee (TAC) Invites Sent – **April 5**
  o Master Plan Webpage Developed and Launched – **April 5**
  o Technical Advisory Committee (TAC) Meeting #1 – **April 24**
  o TAC Follow-Up Summary – **May 1**
  o Monthly Meeting with City of Warwick, Mayor Solomon – **May 7**
✓ RIAC Staff Alternatives Workshop – **April 23**
Public Outreach

• Bi-monthly open houses at RIAC: May, July, September
• Two off airport evening public workshops: June 25th and June 26th
• Dedicated webpage: www.pvdairport.com Link to: email – pvdplanning@pvdairport.com
• Press Releases
• Social Media
Role of the Technical Advisory Committee (TAC)

- Comprised of representatives from local, state and federal governmental agencies, airlines, concessions and private businesses
- Seek out, understand, and consider the various community, operational and technical views
- Ensure expertise and input from stakeholders is captured
- Advisory input to alternatives development and implementation strategy
Technical Advisory Committee (TAC)

- Business Community Representative
- City of Warwick Planning
- Customs and Border Protection
- FAA – Regional Airports Division
- FAA – Air Traffic Control Management
- FAA – Technical Operations Office
- Fixed Base Operator
- GA Corporate (2)
- GA Flight School
- PVD Airline Airport Affairs Committee
- PVD Concessionaire Food
- PVD Concessionaire Retail
- PVD Parking Operator
- PVD Ground Handler
- RI Department of Transportation - Office of Transit
- RI Statewide Planning Office (Metropolitan Planning Organization)
- RI Department of Health
- RI Department of Environmental Management
- RI Chamber of Commerce
- RI Commerce Corporation
- RI Convention and Visitors Bureau
- Transportation Security Administration
Technical Advisory Committee (TAC)
Meeting #1 – April 24, 2019

- Provide input to the development and evaluation of concepts.
- Obtain diverse review of input.
- Inform the full development of alternative concepts and the selection of a preferred development concept.

- Thanks for the invite to Wednesday’s TF Green Master Plan TAC meeting. You did a great job……it was well run, organized and very informative!
- Nice job, it was well managed and interesting.
- Congratulations on a really well organized meeting! Having been involved in many of these type meetings, I can say this was one of the best organized.
Forecast Summary and Planning Activity Levels (PAL)

**Total Annual Aircraft Operations**
- 72,000 -> 89,000

**Annual Enplanements**
- 1.9 m -> 3.7 m

**PMAD Peak Hour Enplanements**
- 708 -> 1,335

**PMAD International Arriving Passengers**
- 252 -> 488
Forecast versus Actual Activity

Planning Activity Level (PAL) Tracker

- Actual
- TAF Jan 2018
- TAF Feb 2019
- Master Plan Enplanements Forecast
- Enplanements Tracking Forecast

2005 high enplanement level of 2,879,602
Facility Requirements Process

• Planning Activity Levels (PALs)
• Demand versus Capacity
• Determine requirements
  ✓ Airfield
  ✓ Terminal
  ✓ Roadways/Ground Access
  ✓ Cargo/GA/Corporate
  ✓ Support Facilities
Community Input

• Provide input to the development and evaluation of concepts

• Obtain diverse review of input:
  • Engineering (design and construction phasing)
  • Operational (efficiency and traffic flow)
  • Financial (cost and phasing)
  • Feasibility (implementation)
  • Environmental (impact and permitting)
  • Community (support for RI transportation asset)

• Result will inform the full development of alternative concepts and the selection of a preferred development concept
Airside Facility Needs

- **Runways:**
  - Runway wind coverage
  - Both runways remain Aircraft Design Group (ADG) IV:
    - Runway-Taxiway separation
    - Runway shoulders
    - Runway exit taxiway
    - Runway blast pad length/width
    - Runway safety areas/object free areas
    - Runway Protection Zones (RPZ)
  - Plan for ADG V
Airside Facility Needs

• Taxiways:
  • Parallel taxiway
  • Taxiway design
  • Taxiway geometry
  • Nomenclature
  • Lighting

• Other:
  • Pavement condition
  • Hardstand/Remain Overnight aprons
  • Very High Frequency Omnidirectional Range (VOR)
Terminal Facility Needs

• Current Terminal Issues
  • Aircraft parking positions/gates
  • Outbound baggage makeup
  • Hold rooms
  • Domestic baggage claim area
  • Concessions (post security)

• During the 20-year Planning Period
  • Most major functional areas will exceed capacity
  • Checked baggage system will handle the demand
  • Check-in and FIS meet demand by standard calculation, but the geometry does not allow for optimal throughput
Landside Facility Needs

- **Roadway Network**
  - Circulation and functional improvements
  - Overall access/gateway – Consider City planning

- **Parking and Transportation Network Companies (TNC) and Taxi Needs**
  - Short-term needs
  - Cell Phone Lot
  - Trends to consider:
    - TNC hold areas; impact on parking needs
    - Potential Autonomous Vehicle (AV) variability
  - Garage considerations
  - Transit factors
  - Long-term needs

- **Terminal Frontage Roadway**
  - Arrivals curbside
Cargo/General Aviation/Support Facility Needs

• Cargo Development
  • No immediate needs determined
  • Consider areas for growth
  • Building and aircraft parking positions
  • Avoid operations with GA aircraft if possible

• General Aviation – Fixed Based Operator, Corporate, Flight Training
  • Resolve north ramp congestion
  • Conventional hangar demand
  • Itinerant aircraft hangar and parking positions
  • Consider more efficient use of north area

• Support Facilities
  • Fuel supply deliveries
  • ARFF facilities – age and Aircraft Group V considerations
  • Maintenance Facility needs
  • Deicing area needs
Aircraft Noise

- Noise Measurement & Noise Exposure Map
- Late Night/Early Morning Operations
- Sound Insulation Program
- Land Acquisition Program
Key Next Steps

May
• RIAC Open House
• Alternatives Development and Evaluation Review
• Initiate Implementation and Phasing Strategy
• Initiate Financial Strategy

June
• Monthly Key Stakeholder and TAC Updates
• Public Meetings – 6/25 and 6/26
• Review and Refine Alternatives, Implementation, Phasing, and Financial Strategy
Thank You!
Questions and Answers

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