Meeting #1 Summary

- Planning Advisory Committee – December 11th 2017
- Technical Advisory Committee – December 11th 2017
- Development and Transportation Focus Group – December 12th 2017
- Community and Sustainability Focus Group – December 12th 2017
- Operations Focus Group – December 13th 2017
Phoenix Sky Harbor is starting a Comprehensive Asset Management Plan (CAMP) which is a planning study that will result in a 20-year development plan for the Airport that:

- Allows for smart investment (logical, practical, and flexible) and use of land
- Balances the ideas and perspectives of airport stakeholders
- Ensures understanding of future airport needs and concepts
- Enhances safety, security and customer service

The CAMP process includes:

- Inventory – detailed analysis of existing facilities
- Forecast – future prediction of aviation activity levels
- Gap analysis – analysis of facilities capacity and future requirements
- Alternatives – plans to accommodate the forecasted growth
- Recommended ALP – large drawing set requiring FAA approval for showing planned developments
- Programming – implementation plan and financial impacts

The project management team:
Meeting #1 Presentation Summary

• Inventory
  – The inventory describes the existing facilities and operational characteristics of the airport as a basis for planning. Facilities include:
    • Airfield – Runways, taxiways, airspace procedures
    • Terminal – Ticking, baggage claim, concourses, security, airline space
    • Landside – On-airport roadways, curbside, parking, rental car
    • Support – Cargo, general aviation, flight kitchens, fueling, maintenance
  – Future facilities that are considered “existing” include:
    • PHX Sky Train Stage 2 – Extension from Terminal 3 to the Rental Car Center
    • Crossfield taxiways – Dual taxiways crossing west airfield
    • Ongoing terminal programs – Terminal 3 modernization, Terminal 2 demolition, Terminal 4 S1 Concourse

• Forecast Includes:
  • Originating and destination passengers
    – Socioeconomic data regression analysis
    – FAA forecast
  • Connecting passengers
    – Airline share connecting traffic
    – National aviation activity and trends
    – FAA regional market forecast
  • Operations
    – Airline plans, aircraft fleet and orders
    – General aviation
  • Cargo
    – All cargo and belly cargo
    – Cargo operations

Forecast Scenarios – Domestic and International Enplanements
Four common discussion topics that were expressed in each meeting:

- Alleviate cut-through traffic
- Maximize north side of the airport and the airport land along Washington
- Improve the passenger experience
- Address utility resiliency [airport sustainability]
• Passenger Experience
  – Number of terminals and security checkpoints add passenger wayfinding complications

• Landside and Cut-through Traffic
  – Alleviate congestion and remove non-airport traffic from airport roadways
    • Consider community impacts by removing cut-through traffic
  – Potential for screening all vehicles on-airport
  – Improve east/west airport access without increasing cut-through traffic
  – Roadway signage and complexity issues

• Infrastructure/Utilities
  – Need redundancy of utility infrastructure
  – Incorporate better planned infrastructure improvements

• Land Use
  – Poor passenger experience between the airport and downtown
  – Highest and best use of north side land
  – Potentially export some support facilities/services to other Phoenix Valley Airports
  – Potential development of land south of the Salt River

• Other Discussion Topics
  – Baggage handling infrastructure and technology improvements
  – Benchmarking the Airport and it’s affect on downtown Phoenix against other airports with an urban environment
• Passenger Experience
  – Passengers throughput at security checkpoints
  – Connections between terminals

• Airfield
  – Increase ramp space / benchmarking for RON operations
  – Crossfield taxiway implementation plan

• Landside and Cut-through Traffic
  – Alleviate congestion and remove non-airport traffic from airport roadways
  – Potential for screening all vehicles on-airport
  – PHX and MAG plan for westside access improvements
  – Driverless vehicles and changes in parking requirements / revenue streams

• Infrastructure/Utilities
  – Efficiency and redundancy is needed for existing and planned utilities

• Land Use
  – Highest and best use of north side land

• Other Discussion Topics
  – Bring aviation operation functions together
  – Coordination with other airports within the Phoenix Valley to increase system capacity
FOCUS GROUP – COMMUNITY / SUSTAINABILITY

• Landside and Cut-through Traffic
  – Alleviate congestion and remove non-airport traffic from airport roadways
  – West airport access improvement
  – Evaluate shift in types of transportation use (TNC and self-driving vehicles) and risk in decaling parking revenues
  – Consider environmental impacts from shifts away from vehicles
  – Surrounding roadways impact on the local community

• Land Use
  – Determine near-term land use for north area development
  – Potentially export some support facilities/services to other Phoenix Valley airports

• Infrastructure/Utilities
  – Airport located on drainage basin, creates challenges for storm water discharge
  – Explore disaster preparedness plans

• Sustainability
  – Air quality concerns around terminal curbs
  – Address idle vehicles in cell phone lots and their environmental impacts
  – Alternative energy sources

• Community
  – Develop standards for community friendly expansion and mitigate community traffic impacts
  – Prepare surrounding roadways / community’s for future development to help local business and neighborhoods thrive
FOCUS GROUP – DEVELOPMENT / TRANSPORTATION

- Landside and Cut-through Traffic
  - Alleviate congestion and remove non-airport traffic from airport roadways
  - Development of non-aviation business along the Sky Train
  - Direct access to the Rental Car Center (RCC) from I-10 or I-17
  - Evaluate shift in types of transportation use (TNC and self-driving vehicles) and risk in decaling parking revenues
  - Roadway signage and complexity issues
  - Provide better use of public transit in and around the Airport (access via existing light rail)
  - West ground transit center focus and access
  - MAG 24th Street capacity and improvements

- Land Use
  - Highest and best use of north developments and surface parking
  - Determine what types of development should be considered
  - What tenants is the airport attracting / trying to attract
  - Feasibility of development around the Salt River

- Other Discussion Topics
  - Explore opportunities for light rail connection with Sky Train Stage 2 (west side)
• **Passenger Experience**
  - Larger aircraft has increased holdroom congestion
  - Additional gate capacity required
  - Terminal evacuation areas

• **Airfield**
  - Increase ramp space / benchmarking for RON operations
  - Operation load balancing on the airfield / Taxiway R congestion
  - Isolation area

• **Landside and Cut-through Traffic**
  - Alleviate congestion and remove non-airport traffic from airport roadways
  - Consider straightening Sky Harbor Boulevard

• **Infrastructure/Utilities**
  - Address utility resiliency and utility jurisdiction crossover

• **Land Use**
  - What tenants is the airport attracting / trying to attract
  - Highest and best use of north side land

• **Sustainability**
  - Environmental management system and streamline business process
  - Ability to collect and store for recycling program
**Next Steps**

**Week of April 30, 2018**
- Review performance "gaps" between forecasted demand and existing facilities
- Present preliminary concept alternatives for addressing those gaps
- Discuss alternatives evaluation criteria

**Week of August 27, 2018**
- Review of potential recommendations (preferred concepts)

**Week of December 3, 2018**
- Review of detailed implementation actions
- Financial plans
- NEPA analysis
- ALP changes

**Public Workshop #1**

**Public Workshop #2**

**Development of Alternatives**

**Preferred Airport Concept**

**Preferred Alternative Refinement**

**Environmental Overview and Sustainability Strategy**

**Implementation Plan**

**Airport Layout Plan (ALP)**

**Inventory**

**Facility Requirements**

**Aviation Activity Forecast**

**Week of December 11, 2017**
- Kickoff Meeting

**Week of April 30, 2018**
- Preliminary Alternatives

**Week of August 27, 2018**
- Preferred Concept

**Week of December 3, 2018**
- Implementation Actions

**Public Workshop #1**

**Public Workshop #2**

**Next Steps**