



Minutes Tempe Aviation Commission October 11, 2018

Minutes of the Tempe Aviation Commission meeting held on October 11, 2018, 6:30 p.m., at the Public Works Conference Room, Garden Level, City Hall Complex, 31 E. Fifth Street, Tempe, Arizona.

(MEMBERS) Present:

Lane Carraway (Chair)
W. David Doiron
Gordon Gauss (on phone)
John Q. Nunes (Vice Chair)
Valeriy Khaldarov

City Staff Present:

Oddvar Tveit, *Environmental Quality Specialist*

(Members) Absent:

Robert Dixon (Excused)
Shannon Dutton (Excused)

Citizens Present:

Colby Hammond
Kristen Kennedy
Miles Maloy
Faviola Luna

Agenda Item 1 – Call to Order

Chair Lane Carraway called the meeting to order at 6:30 p.m.

Agenda Item 2 – Public Appearances

The citizens present introduced themselves as students attending the meeting to complete a class project.

Agenda Item 3 – Staff Update

Departure paths over south Tempe: Mr. Oddvar Tveit presented flight paths over central and south parts of Tempe after the FAA completed Step One of the agreement with Phoenix petitioners on May 24, 2018. The FAA published amended area navigation (RNAV) Standard Instrument Departure (SID) procedures which have southwest turns after takeoffs over Phoenix before routing aircraft south and back northeast over areas south of Tempe's borders. However, there are "classic" options to the new RNAV SIDs which still are being used, and Mr. Tveit showed the utilization rates of the BALDY SID compared to the Step One BROAK RNAV SID. Flight track samples from the first ten days of each month, May through September confirmed that:

- After the 2014 implementation of RNAV SIDs for PHX the utilization of classic routing that bring climbing aircraft on diverting paths over large areas of Tempe has been reduced, but not gone completely. The high-altitude paths over Tempe's south border areas are at about 15,000 feet for aircraft that use a classic BALDY SID and these paths keep the aircraft on a shorter initial leg than the alternative amended BROAK RNAV SID. The amended RNAV SID circumvent Tempe airspace by bringing climbing aircraft farther to the south and east before heading northeast.
- The May 24, 2018 RNAV SID changes have not resulted in significant changes in the utilization of the classic routing option that bring aircraft on high altitude flight paths over Tempe from the southwest towards the northeast.

Arrival paths over south Tempe: The FAA has developed updated versions of RNAV Standard Terminal Arrival Procedures (STAR) that enter south Tempe airspace from the west and occasionally from an RNAV STAR from the southeast using downwind descent path that goes east over south Tempe parallel to the PHX runways. Flight track samples confirmed that:

- The GEELA RNAV STARs and the new HYDDRA RNAV STAR have increased the concentration of descending aircraft over areas in south Tempe and along SR101.
- Depending on the traffic situation some of descents on the KOOLY RNAV STAR and the new PINGG RNAV STAR from the southeast are also directed to follow the downwind descent that goes over south Tempe.

Discussion:

- The Warner Ranch neighborhood is according to a commission member getting noisier for resident living under the routing of aircraft along Elliot and the south east border areas of Tempe. This corresponds to the shown increase in the concentration of paths flown on downwind descents over south Tempe from RNAV STARs.
- The City of Phoenix is following up with the FAA regarding Step Two of the agreement, which focuses on other PHX area flight procedure concerns that were not addressed by the FAA under Step One. The City of Phoenix has encouraged the FAA to hold additional public meetings on Step Two.
- The PHX parallel runway configuration and close-in sequencing of arrivals via downwind legs seems to negate Optimized Profile Descent (OPD) noise benefits associated with modern Performance Based Navigation (PBN) procedures inside the airspace over Tempe.

Agenda Item 4 – Consideration of Meeting Minutes (August 14, 2018)

Chair Lane Carraway asked for comments to the drafted August 2018 meeting minutes, and a motion to approve.

Motion: Mr. W. David Doiron moved to approve minutes as drafted. Mr. John Q. Nunes seconded the motion.

Discussion: Mr. Valeriy Khaldarov asked about the minutes not accounting for the questions he had about the PHX Noise and Operations Monitoring System (NOMS). The questions did not relate to items on the August agenda and were addressed by staff in a meeting with Mr. Khaldarov on August 23, 2018. A request to have the commission be informed or discuss aspects of the PHX NOMS was deferred to Agenda Item 7.

Action: The drafted August minutes were approved by a unanimous vote. Ayes: Chair Lane Carraway, Mr. W. David Doiron, Mr. Gordon Gauss, Mr. John Q. Nunes and Mr. Valeriy Khaldarov. Nays: None. Absent: Mr. Robert Dixon and Ms. Shannon Dutton.

Agenda Item 5 – Draft Supplemental Request for NAO staffing

Members reviewed the draft supplemental request and asked Mr. Oddvar Tveit about cost estimates for the proposed staffing of a city Noise Abatement Office (NAO) and expected workloads if the office was created.

Motion: Mr. John Q. Nunes moved to approve the draft supplemental budget request with the stipulation that if the city approves the budget request and creates the NAO, the Commission would have a future option to revisit the recommendation made by the Noise Abatement Subcommittee to discuss other funding opportunities, which may include reimbursements from the airport operator. The motion was seconded by Mr. W. David Doiron.

Discussion:

- The draft supplemental request does not include an identified funding source and has no mentioning of the fact that there is a prospect of saving the city any money in the future. This reduces the likelihood of the supplemental being approved.
- The approval chances are even less because the supplemental request to have the city staff the NAO does not mention that the expense of creating the NAO will enable the city to increase leverage with PHX to improve PHX noise abatement programs and practices that benefits the residents of Tempe.
- Maricopa Association of Governments (MAG) has in the past applied for and received federal funds to conduct Regional Aviation System Plans (RASPs).
- Funds to conduct noise specific to PHX has been acquired by the City of Phoenix through reimbursements from sound assistance projects conducted under federal regulation 14 CFR FAR Part 150 to implement FAA approved PHX Noise Compatibility Plan.

Action: The motion was approved by a unanimous vote. Ayes: Chair Lane Carraway, Mr. W. David Doiron, Mr. Gordon Gauss, Mr. John Q. Nunes and Mr. Valeriy Khaldarov. Nays: None. Absent: Mr. Robert Dixon and Ms. Shannon Dutton.

Agenda Item 6 – Activities under the FAA’s drone integration pilot program

Mr. John Q. Nunes made the following update:

1. Because the FAA Reauthorization Act of 2018 (HR 302) was recently signed into law by the President, a bill that include substantial changes to the current rules and regulations for Unmanned Aerial Systems (UAS), activities under the UAS Integration Pilot Program (IPP) has been suspended.
2. The Arizona UAS community, who failed to be selected for the program under the Arizona Commerce Authority (ACA), will meet in three weeks to discuss how to proceed under a new regulatory framework. Originally, five test sites around the country was selected under the IPP and was later expanded. The hope is that test sites will be expanded further to get Arizona formally added to the list of IPP sites.
3. If added to the list, it could in the future open the state for large investments in UAS activities.

Agenda Item 7 – Commissioners’ business

- The use of the PHX Noise and Operations Monitoring System (NOMS).
- The TAVCO Annual Report.
- Another public workshop in the spring of 2019.

Agenda Item 8 – Schedule next TAVCO meeting

The next meeting was scheduled for November 13, 2018.

Agenda Item 9 – Adjournment

Motion: John Q. Nunes moved to adjourn the meeting. Mr. W. David Doiron seconded the motion.

Action: The meeting was adjourned at 7:35 p.m. by a unanimous vote. Ayes: Chair Lane Carraway, Mr. W. David Doiron, Mr. Gordon Gauss, Mr. John Q. Nunes and Mr. Valeriy Khaldarov. Nays: None. Absent: Mr. Robert Dixon and Ms. Shannon Dutton.

Prepared by: Oddvar Tveit

Reviewed by: Justin Bern