Tempe

Minutes
Tempe Aviation Commission
June 14, 2016

Minutes of the Tempe Aviation Commission meeting held on June 14, 2016, 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)
Robert Dixon
Shannon Dutton
Mark Garrigan
Gordon Gauss (Vice Chair)
David Naugle
John Q. Nunes
Mike Sonenberg

(MEMBERS) Absent:
Jason Forcier (Excused)

Guests Present:
Anne Kurtenbach, *Airspace & Noise Program Manager, City of Phoenix*
Brett Nadler, *Airspace & Noise Planner II, City of Phoenix*

Residents Present:
Darlene Justus
Deb Gain-Braley
Lisa Zyriek

City Staff Present:
Cassandra Mac, *Management Assistant I*
Oddvar Tveit, *Environmental Quality Specialist*

Meeting convened at 6:32 p.m.
Chair Lane Carraway called the meeting to order.

Agenda Item 1 – Public Appearances
Ms. Lisa Zyriek living close to Elliot Road in south Tempe talked about the considerable change in noise that has occurred with the new flight paths. In the past, planes flew 2.5 miles away from her home, but now fly as close as 2,500 feet over it. Her home is located near a navigation point on one of the new east departure routes where departing aircrafts turn 180 degrees back west over her neighborhood. Arriving planes also use the airspace over her home to turn north to land at PHX. She encouraged the commissioners to continue their work for all residents in Tempe and to find solutions to the concentration of noise in south Tempe.

Agenda Item 2 – Consideration of Meeting Minutes (May 10, 2016)
Chair Lane Carraway asked for a motion to approve the meeting minutes as presented.

Motion: Mr. John Q. Nunes moved to approve the draft minutes. Mr. Robert Dixon seconded the motion.
Action: The minutes were approved by seven votes for the motion and one member abstaining.

Agenda Item 3 – Updates from City of Phoenix Aviation Department
Ms. Anne Kurtenbach updated the members on the following topics:

1. The PHX Noise Report:
   PHX has received close to 35,000 complaints so far this year, largely due to the introduction of the smart phone mobile app in February 2016 that simplified the complaint process. Between September 18, 2014

when the flight paths changed and May 31, 2016, there have been 67,000 complaints; 1,114 of which came from Tempe residents. So far in 2016, PHX has received 538 complaints from 34 households in Tempe, 368 of which were made using the mobile app.

2. 4-DME Compliance Report:
   Airline compliance in staying within the 4-DME gate during eastern departures has improved. The monthly compliance rate for all jet departures has consistently been above 99%. In 2015, the departure compliance rate was 99.34% the highest since 2010. Deviations are attached to a report given to the airlines and to the City of Tempe. PHX excludes deviations that result from weather or atmospheric conditions, including ten knots cross winds.
3. Annual Flow Equalization:
   Over the previous 12 months, 51.15% of planes departed west and 48.85% departed east. In May 2016, 58.9% of departures were to the west. Typically, the departure flow is more to the west during summer months and more to the east during the winter months. Winds have impacted the flow or arrivals this year, causing maneuvers off the arrival paths and missed approaches resulting in go-arounds.
4. Noise Monitoring Update:
   PHX is in the processes of upgrading the twenty monitoring sites from digital to cellular communication. To address the arrival and departure noise problem in south Tempe outside the fixed sites, PHX staff is developing a temporary noise monitoring program. It is expected to be implemented in the fall of 2016. Individual requests for hand held monitoring can be made in the interim, but monitoring is limited to business hours. PHX is also exploring the option of virtual noise monitoring and noise contour applications. With regard to relocating the fixed sites to other locations in north Tempe, PHX is concerned about no longer having access to comparable data from these monitors. Locating new sites close to existing sites are not likely to produce new or different data.
5. North Runway Closure:
   The north runway will be temporarily closed between October 6 and November 6, 2016 for runway repairs and airside improvements.
6. City of Phoenix Airspace and Noise Section Update:
   - Mediation between the City of Phoenix and FAA over the flight path changes failed to produce a settlement of the city's legal challenge.
   - U.S. senate has proposed legislation that will provide airports like PHX with retroactive review of NextGen flight path changes, but FAA reauthorization legislation has yet to be passed by Congress.
   - The PHX Metroplex project is on hold, and PHX staff is observing what the FAA is doing elsewhere, as in northern California where FAA included a process to review community flight path initiatives.
   - The work on the PHX ground noise report is almost complete.
   - Planning and Environmental is going to hire a community outreach coordinator and a planner.
   - Public presentations and outreach to airlines and other airports will continue. PHX was not able to convince airlines to use the conventional routes for PHX during night time hours. PHX is reaching out to national organizations like the AAAE, (American Association of Airport Executives), the NAC (NextGen Advisory Committee) and the RTCA (Radio Technical Commission for Aeronautics) about the situation in Phoenix.
7. Future Discussion Items:
   - PHX staff is waiting for logistics from Tempe to schedule another community work shop meeting.
   - Voluntary noise abatement at other airports is being surveyed, information is being compiled.
   - Progress with the temporary noise monitoring program

Agenda Item 4 – Update from Staff

a. Staff's follow-up on Commission actions

- Draft letter to the FAA regarding Tempe as a stakeholder has gone through City staff and outside council, now at the mayoral level. It is expected to go out before the next TAVCO meeting.
- Recommendations for additional noise monitoring site in Tempe were provided to Mayor and Council through a Friday Packet

b. Communication plan to reach Home Owner Associations in south Tempe
- Cassandra Mac informed the Commission of the city's strategy for neighborhood outreach if and when a public meeting should occur. An advanced notice of a minimum of 90 days would be best to successfully implement the strategy. The Tempe History Museum is an ideal location, but books quickly.

Follow-up: Staff was asked to investigate tentative available dates this fall for the History Museum meeting room, and contacts for outreach to ASU students and Tempe businesses.

Agenda Item 5 – PHX Approach Noise

Oddvar Tveit presented how approaching aircrafts when landing from the east merge into two parallel flight paths over north Tempe:

- Exceptional stable visual conditions help maintain high peak hour capacity at PHX. The FAA capacity report for PHX (2014) showed that the parallel west flow at PHX is as efficient as can be under visual conditions and with visual separation between aircraft.
- Improvement to the arrival flow is possible during instrument conditions, if simultaneous parallel ILS approaches were implemented. However, these conditions are estimated to occur only 1% of the time at PHX.
- Mitigation may be accomplished through the use of Required Navigation Performance (RNP) to keep arriving aircraft on an established and predictable descent path. Technology is available to make descents and turns from the base legs to the final approach paths more predictable over specific areas, such as SR101.

Agenda Item 6 – Commissioners' business

Discussion and potential action items:

- Topics and call to action for a public meeting at the Tempe History Museum.
- Establishment of a subcommittee.
- Deviation notifications to airlines from the City of Phoenix.

Agenda Item 7 – Summer meeting schedule

Action: The next meeting date for the Commission was scheduled for July 12, 2016.

Agenda Item 8 – Adjournment

Motion: Ms. Shannon Dutton moved to adjourn the meeting. Mr. Gordon Gauss seconded the motion.
Action: The meeting was adjourned at 8:13 p.m. by unanimous vote.

Prepared by: Oddvar Tveit and Cassandra Mac

Reviewed by: David McNeil

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Authorized Signature
Environmental Services Manager