

## PHOENIX (PHX/KPHX)

Elevation 1135ft

### CATEGORY B

Nil AV Brief available.

### GENERAL

- See section on 'Hot and High' Operations for information on operations to High Density Altitude airfields.
- Phoenix Sky Harbor Intl. Airport is located 2.7NM Southeast of downtown Phoenix.
- The airport is surrounded by high rising terrain, especially in the Northern to Eastern sector.

### Threats

#### CFIT

- Ridges rise to 7000ft, at a distance of 40NM Northeast of the airport.
- Some ridges are located closer to the airport, together with some man-made obstacles that rise to 3000ft to the Southwest.
- If approaching from the East, MSA is 6200 due to rising terrain.

#### Runway Incursion

- HS1 - Pilots sometimes mistake TWY F for RWY 07L/R.
- HS2 - Pilots sometimes cross RWYs 07L/25R at TWYs F8, F9 or F10 without authorization.
- HS3 - ACFT taxiing from southern ramps have turned onto RWY 25L when given instructions to cross RWY 25L at TWY H3.

#### Runway Excursion

- 'Hot and High' airfield operations – consider braking distance considerations.
- VGSI and ILS glidepath not coincident.

#### Special Considerations

- Low sun angles may make it difficult to see the runway clearly – particularly in the evening.
- Birds in vicinity of airport up to 10000ft.

### ARRIVAL

#### Diversions Airports

TUCSON	TUS/KTUS	096 nm/135°T	CAT B
LOS ANGELES	LAX/KLAX	322 nm/267°T	CAT B
DENVER	DEN/KDEN	523 nm/030°T	CAT B
SAN FRANCISCO	SFO/KSFO	566 nm/289°T	CAT B

## Approach

- All runways have RNAV approaches.
- All RWYs except 25R have ILS CAT I approaches.
- The preferred landing RW is 08/26.
- Do not accept an approach to the southerly runways unless absolutely necessary as they can be considered as 'short' RWYs due to the usually high-density altitude.
- During busy periods ATC may ask for a high-speed approach until quite close and may vector the aircraft for an unsuitably tight base leg. Attempts to obtain a more stable style of approach may be frustrated unless a request for an extended final is made on first contact with PHX.
- Some of the Procedures into KPHX have high minimums.

## GROUND

- Phoenix has multiple hotspots – well marked on Lido charts which are located on the southern side of the airport.
- BA parking is stand B25, located on Terminal 4, Concourse N4.
- Aircraft may be held upon arrival if the stand is occupied.
- Advise the appropriate GND CTL ASAP when ACFT must hold off the ramp on the movement area due to lack of ramp or apron space.
- Overhead train bridge at midpoint TWY R provides 25m tail up to 48m wingtip CLR from TWY CL.

## STANDARD TAXI ROUTES

- All standard taxi instructions apply to ACFT exiting/entering the ramps.
- When given ATC taxi instructions to depart or arrive the ramp, comply with the following STRs, unless otherwise directed by Phoenix ATC TWR.
- North Route:
  - BTN Terminal 3, 4 (South Side) and RWY 08/26 taxi via TWY D to TWY T. Continue north on TWY T and monitor 119.750. If further instructions are not received, hold short of TWY C and contact GND for approval to continue. When approved by GND, continue taxi to: RWY 08 via TWY C. RWY 26 via TWY B.
  - BTN Terminal 3 and 4 (North Side) and RWY 08/26: RWY 08 via TWY C. RWY 26 via TWY B.
  - BTN LDG/crossing RWY 7L/25R and Terminal 3 and 4 (North Side): Taxi via TWY E to TWY T. Unless otherwise instructed, monitor 132.550 while taxiing on TWY E. Continue north on TWY T and monitor 119.750. If further instructions are not received, hold short of TWY C and contact 119.750 for approval to continue. When approved by 119.750, continue taxi to the ramp via TWY C.
- South Route:
  - BTN Terminal 3 and 4 (North Side) and RWY 07L/25R: Taxi via TWY C to TWY S. Continue south on TWY S and monitor 132.550. If further instructions are not received, hold short of TWY D and contact 132.550 for approval to continue. When approved by GND, continue taxi to: RWY 07L via TWY D, TWY D9, and TWY E. RWY 25R via TWY E.
  - BTN LDG RWY 08 and Terminal 3 or 4 (South Side): Taxi via TWY B to TWY S. Unless otherwise instructed, monitor 119.550 while on TWY B. Continue south on TWY S and monitor 132.550. If further instructions are not received, hold short of TWY D and contact

- 132.550 for approval to continue. When approved by GND, continue taxi to ramp via TWY D.
- BTN LDG RWY 26 and Terminal 3 or 4 (South Side): Cross TWY B, taxi via TWY C to TWY S. Unless otherwise instructed, monitor 119.750 while taxiing on TWY C. Continue south on TWY S and monitor 132.550. If further instructions are not received, hold short of TWY D and contact 132.550 for approval to continue. When approved by GND, continue taxi to the ramp via TWY D.
  - East Route:
    - BTN Terminal 3 and 4 (North Side) and RWY 25R: Taxi via TWY C and TWY R. Monitor 120.900 on TWY R (do not hold short of TWY D unless instructed).
    - BTN LDG or crossing RWY 07L/25R and Terminal 3 or 4 (North Side): Taxi via TWY E to TWY R. Unless otherwise instructed, monitor 132.550 while taxiing on TWY E. Continue north on TWY R and monitor 119.750 when on TWY R. If further instructions are not received, hold short of TWY C and contact 119.750 for approval to continue. When approved by GND, continue taxi to the ramp via TWY C.
  - West Route:
    - BTN Terminal 4 (South Side) and RWY 07L: Taxi via TWY D, TWY D9, and TWY E.

## DEPARTURE

- RNAV and Conventional SIDs available for all runways with some restrictions in form of aircraft type and which directions to fly.
- BAV crews can expect the BROAK1 or MRBIL1 departures, both have high MSAs with altitudes exceeding 10,100ft on both departures.
- Minimum CLB gradients can be found on the respective SIDPT chart.

## WEATHER

- Phoenix has a subtropical desert climate, typical of the Sonoran Desert in which it lies.
- Phoenix has long, extremely hot summers and short, pleasant winters. The city is located within the sunniest region in the world. Measuring 3,872 hours of bright sunshine annually, Phoenix receives the most sunshine of any major city on earth.
- Average high temperatures in summer are the hottest of any major city in the United States.
- On average, there are 107 days annually with a high of at least 38 °C, including most days from late May through early October. Highs top 43 °C an average of 18 days during the year.
- The city has an average daily temperature of 24 °C. Unlike most desert locations which undergo drastic fluctuations between day and night-time temperatures, Phoenix's diurnal temperature variation is limited by the urban heat island effect
- When active, the monsoon raises humidity levels and can cause heavy localized precipitation, flash floods, hail, destructive winds, and dust storms.

**OPERATIONAL INFORMATION**

Handling Agent	Swissport
Handling Agent VHF	SPDBD 130.375
Potable Water	Uplift Available

IF ONLY Electrical Power is required	Use ground power at all times
If BOTH electrical power and air conditioning is required:	Use both ground services at all times