

## HOT SPOTS

An "Airport surface hot spot" is a location on an aerodrome movement area with a history or potential risk of collision or runway incursion, and where heightened attention by pilots/drivers is necessary.

A "hot spot" is a runway safety related problem area on an airport that presents increased risk during surface operations. Typically it is a complex or confusing taxiway/taxiway or taxiway/runway intersection. The area of increased risk has either a history of or potential for runway incursions or surface incidents, due to a variety of causes, such as but not limited to: airport layout, traffic flow, airport marking, signage and lighting, situational awareness, and training. Hot spots are depicted on airport diagrams as open circles or ellipses designated as "HS 1", "HS 2", etc. and tabulated in the list below with a brief description of each hot spot. Hot spots will remain charted on airport diagrams until such time the increased risk has been reduced or eliminated.

| CITY/AIRPORT                                    | HOT SPOT<br>IOWA | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------------------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CEDAR RAPIDS                                    |                  |                                                                                                                                                                                                                                                                                                                                                                                                         |
| THE EASTERN IOWA (CID)                          | HS 1             | Twy A crosses Rwy 13–31. Twy A is used frequently by vehicles and acft to transition to and from the west hangar/FBO area                                                                                                                                                                                                                                                                               |
|                                                 | HS 2             | Int of Rwy 13–31 and Rwy 09–27.                                                                                                                                                                                                                                                                                                                                                                         |
| COUNCIL BLUFFS                                  |                  |                                                                                                                                                                                                                                                                                                                                                                                                         |
| COUNCIL BLUFFS MUNI (CBF)                       | HS 1             | Rwy 14 is not visible from Rwy 18. Use CTAF to avoid conflicting int ops.                                                                                                                                                                                                                                                                                                                               |
|                                                 | HS 2             | Rwy 18 is not visible from Rwy 14. Use CTAF to avoid conflicting int ops.                                                                                                                                                                                                                                                                                                                               |
| DES MOINES                                      |                  |                                                                                                                                                                                                                                                                                                                                                                                                         |
| DES MOINES INTL (DSM)                           | HS 1             | Complex int area. Turns quickly lead to crossing Rwy 05–23 at Twy D.                                                                                                                                                                                                                                                                                                                                    |
|                                                 | HS 2             | Complex int area. Turns quickly lead to crossing Rwy 13–31 at Twy P.                                                                                                                                                                                                                                                                                                                                    |
|                                                 | HS 3             | Runway Incursion Risk. Rwy 05 and Twy P7. Runway Holding Position Markings not visible from tower.                                                                                                                                                                                                                                                                                                      |
| DUBUQUE                                         |                  |                                                                                                                                                                                                                                                                                                                                                                                                         |
| DUBUQUE RGNL (DBQ)                              | HS 1             | Use caution when taxiing to Rwy 18 or Rwy 13 via Twy A. Comply with rwy hold signs, sfc painted signs and elevated rwy guard lgts at the intersection of Twy A and Rwy 18–36.                                                                                                                                                                                                                           |
|                                                 | HS 2             | Use caution exiting the ramp area on Twy D. Twy D crosses Rwy 13–31 immediately after leaving ramp area.                                                                                                                                                                                                                                                                                                |
|                                                 | HS 3             | Use caution exiting the ramp area on Twy C. Twy C crosses Rwy 13–31 immediately after leaving ramp area.                                                                                                                                                                                                                                                                                                |
| FORT DODGE                                      |                  |                                                                                                                                                                                                                                                                                                                                                                                                         |
| FORT DODGE RGNL (FOD)                           | HS 1             | Westbound tfc on Twy B must remain alert at the intersection where Twy B splits with Twy D. Holding position markings for Rwy 06–24 and Rwy 12–30 are immediately after the twy split.                                                                                                                                                                                                                  |
| MASON CITY                                      |                  |                                                                                                                                                                                                                                                                                                                                                                                                         |
| MASON CITY MUNI (MCW)                           | HS 1             | Single twy leads to the apch end of Rwy 30 and Rwy 36. When departing northbound, cross check compass on rwy to verify use of correct rwy for departure. Approximately half of Rwy 12 and Rwy 18 are not mutually visible due to rising terrain and trees located between rwys. Use caution when operating on either Rwy 12 or Rwy 18 for crossing tfc. Broadcast your position and intentions on CTAF. |
| SIOUX CITY                                      |                  |                                                                                                                                                                                                                                                                                                                                                                                                         |
| SIOUX GATEWAY/BRIG GENERAL BUD DAY<br>FLD (SUX) | HS 1             | Area not visible from the twr.                                                                                                                                                                                                                                                                                                                                                                          |
|                                                 | HS 2             | Twy A near the ARFF bldg and Twy G are not visible from ATCT.                                                                                                                                                                                                                                                                                                                                           |
| WATERLOO                                        |                  |                                                                                                                                                                                                                                                                                                                                                                                                         |
| WATERLOO RGNL (ALO)                             | HS 1             | The intersection of Twy B and Twy C outbound holding position markings for Rwy 12–30 and Rwy 18–36 are immediately after the split of Twy B and Twy C.                                                                                                                                                                                                                                                  |
|                                                 | HS 2             | Use caution when crossing Rwy 12–30 on Twy A. Int departures should also insure proper rwy alignment before departure.                                                                                                                                                                                                                                                                                  |

| CITY/AIRPORT                                       | HOT SPOT | DESCRIPTION                                                                                                                                                                                                                        |
|----------------------------------------------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>KANSAS</b>                                      |          |                                                                                                                                                                                                                                    |
| DODGE CITY                                         |          |                                                                                                                                                                                                                                    |
| DODGE CITY RGNL (DDC)                              | HS 1     | Ramp is in close proximity to rwy.                                                                                                                                                                                                 |
| GARDEN CITY                                        |          |                                                                                                                                                                                                                                    |
| GARDEN CITY RGNL (GCK)                             | HS 1     | Use caution exiting the ramp area on Twy C. Twy C crosses Rwy 17–35 immediately after leaving ramp area. Pilots must use caution when exiting the rwy on Twy C, as the non-movement area boundary is on the twy prior to the ramp. |
|                                                    | HS 2     | While taxiing southbound on Twy A to Rwy 30, left turn on Twy B required to reach apch end of Rwy 30. If pilot is not being extra vigilant, it is easy for an acft to miss the turn on Twy B and cross the active rwy.             |
| HUTCHINSON                                         |          |                                                                                                                                                                                                                                    |
| HUTCHINSON RGNL (HUT)                              | HS 1     | Twy A and Twy C intersect in close proximity to Rwy 17–35 and cross the rwy at an angle.                                                                                                                                           |
|                                                    | HS 2     | Pilots taxiing to Rwy 17, after crossing Rwy 13–31 insure you clear the Rwy 13–31 safety area w/o stopping. The Rwy 17 holding posn is the sec holding posn marking after crossing Rwy 13–31 on Twy B.                             |
| LIBERAL                                            |          |                                                                                                                                                                                                                                    |
| LIBERAL MID-AMERICA RGNL (LBL)                     | HS 1     | Twy C intersects Rwy 17–35 immediately upon leaving ramp area.                                                                                                                                                                     |
| MANHATTAN                                          |          |                                                                                                                                                                                                                                    |
| MANHATTAN RGNL (MHK)                               | HS 1     | Use caution when taxiing northeast on Twy A to the east ramp. Do not mistake Rwy 13–31 for Twy E.                                                                                                                                  |
| OLATHE                                             |          |                                                                                                                                                                                                                                    |
| JOHNSON CO EXEC (OJC)                              | HS 1     | Acft on the east side of the rwy taxiing to Rwy 36 utilizing Twy B, cross Rwy 18–36. Rwy holding position marking is not fully visible until after making the westbound turn.                                                      |
| OLATHE                                             |          |                                                                                                                                                                                                                                    |
| NEW CENTURY AIRCENTER (IXD)                        | HS 1     | Complex intersection of Twy A and Twy F, along with Rwy 04–22 and Rwy 18–36. Additionally, acft southwest of this area may not be visible from the ATCT.                                                                           |
| SALINA                                             |          |                                                                                                                                                                                                                                    |
| SALINA RGNL (SLN)                                  | HS 1     | Tfc Idg Rwy 12 use caution when exiting onto Twy B. Hold line for Rwy 17–35 approaches quickly. Note the elevated rwy guard lgts located on the west side of Rwy 17–35 on Twy B.                                                   |
| WICHITA                                            |          |                                                                                                                                                                                                                                    |
| WICHITA DWIGHT D EISENHOWER NTL (ICT)              | HS 1     | Complex int. Insure proper turns to avoid entering Rwy 14–32 at Twy B w/o a clnc.                                                                                                                                                  |
| <b>MINNESOTA</b>                                   |          |                                                                                                                                                                                                                                    |
| MINNEAPOLIS                                        |          |                                                                                                                                                                                                                                    |
| CRYSTAL (MIC)                                      | HS 1     | Be prepared to hold short of Rwy 06R (sod) on Twy F.                                                                                                                                                                               |
|                                                    | HS 2     | Be prepared to hold short of Rwy 24L (sod) on Twy D.                                                                                                                                                                               |
| MINNEAPOLIS                                        |          |                                                                                                                                                                                                                                    |
| FLYING CLOUD (FCM)                                 | HS 1     | Rwy 18 apch area proximity to adjacent ramps along Twy A.                                                                                                                                                                          |
|                                                    | HS 2     | Short taxi dist fr ramp to rwy hold line.                                                                                                                                                                                          |
| MINNEAPOLIS                                        |          |                                                                                                                                                                                                                                    |
| MINNEAPOLIS-ST PAUL<br>INTL/WOLD-CHAMBERLAIN (MSP) | HS 1     | Rwy incursion risk. Rwy 12R–30L and Rwy 04–22, Twy A, Twy B, Twy C, Twy D, Twy H. Complex geometry due to converging Rwy and Twys.                                                                                                 |
|                                                    | HS 2     | Rwy incursion risk. Rwy 12L–30R and Rwy 04–22, Twy C, Twy P8, Twy D, Twy P, Twy Q. Complex geometry due to converging Rwy and Twys.                                                                                                |
|                                                    | HS 3     | Limited wingtip clearance at convergence of Twy A and Twy B between Twy A5 and Twy A7. Restricted to single aircraft taxi.                                                                                                         |
| ROCHESTER                                          |          |                                                                                                                                                                                                                                    |
| ROCHESTER INTL (RST)                               | HS 1     | Fr Twy A6 to Twy B, make a slight rgt to join Twy B. Fr Twy B to Twy A6, make a slight left turn to join Twy A6.                                                                                                                   |

| CITY/AIRPORT                                | HOT SPOT | DESCRIPTION                                                                                                                                                                                                                                                                                                                  |
|---------------------------------------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ST PAUL                                     |          |                                                                                                                                                                                                                                                                                                                              |
| ST PAUL DOWNTOWN HOLMAN FLD (STP)           | HS 1     | Helicopter landings on Twy A.                                                                                                                                                                                                                                                                                                |
|                                             | HS 2     | Unusual placement of rwy holding position markings due to overlapping rwy safety areas. Short distance between rwys, manage your taxi speed and be prepared to hold short when exiting rwy.                                                                                                                                  |
|                                             | HS 3     | Helicopter ops on Twy B.                                                                                                                                                                                                                                                                                                     |
| <b>MISSOURI</b>                             |          |                                                                                                                                                                                                                                                                                                                              |
| BRANSON                                     |          |                                                                                                                                                                                                                                                                                                                              |
| BRANSON (BBG)                               | HS 1     | Westbound t/c on Twy C must remain alert so as to not mistake Rwy 14–32 for a parallel twy. First left turn out of ramp area is Rwy 14–32.                                                                                                                                                                                   |
|                                             | HS 2     | Use caution for acft utilizing Twy E and Twy F as a turn around after ldg on Rwy 14 or taxiing to hold while waiting to depart Rwy 32. Back taxi required on Rwy 14–32 for full length departure on Rwy 32 and frequently utilized by acft ldg Rwy 14.                                                                       |
| CAPE GIRARDEAU                              |          |                                                                                                                                                                                                                                                                                                                              |
| CAPE GIRARDEAU RGNL (CGI)                   | HS 1     | Area not visible from the twr.                                                                                                                                                                                                                                                                                               |
|                                             | HS 2     | Acft ldg Rwy 10 sometime mistake Rwy 02–20 as Twy D.                                                                                                                                                                                                                                                                         |
| COLUMBIA                                    |          |                                                                                                                                                                                                                                                                                                                              |
| COLUMBIA RGNL (COU)                         | HS 1     | Use caution approaching the int of Twy A and Twy C due to the close proximity of rwy holding position markings for Rwy 02–20 and Rwy 13–31.                                                                                                                                                                                  |
| FORT LEONARD WOOD                           |          |                                                                                                                                                                                                                                                                                                                              |
| WAYNESVILLE–ST ROBERT RGNL FORNEY FLD (TBN) | HS 1     | Arriving and departing acft must use the intersection at the southeast end of Rwy 15–33 to access the rwy. There is no parallel twy. Arriving and departing t/c may be required to back-taxi.                                                                                                                                |
| JOPLIN                                      |          |                                                                                                                                                                                                                                                                                                                              |
| JOPLIN RGNL (JLN)                           | HS 1     | Hold short markings for Rwy 13–31 are prior to the Twy E turn onto the rwy.                                                                                                                                                                                                                                                  |
|                                             | HS 2     | Pilots taxiing to Rwy 31 via Twy C often confuse the non-standard lctn of the Rwy 31 Holding Posn for an ILS Holding Posn. There is no ILS for Rwy 31. The Rwy 31 Holding Posn is a non-standard configuration and is nec due to the dsplcd thld on Rwy 31 and the requirement to have acft outside of the Object Free Area. |
| KANSAS CITY                                 |          |                                                                                                                                                                                                                                                                                                                              |
| KANSAS CITY DOWNTOWN/WHEELER FLD (MKC)      | HS 1     | On Twy G, holding posn markings for Rwy 04–22 are unusual due to the angle that Twy G intersects with Rwy 04–22.                                                                                                                                                                                                             |
|                                             | HS 2     | Acft taxiing southbound on Twy L to Rwy 04 or Rwy 01, continue straight across Twy D on Twy L. Northbound traffic on Twy F and Twy D, ensure to turn left on Twy L to avoid entering Rwy 01–19.                                                                                                                              |
|                                             | HS 3     | Taxi routes to Rwy 01 from the W side of the afld cross Rwy 04. Insure you hold short of Rwy 04 until you are given a clnc to cross.                                                                                                                                                                                         |
| KANSAS CITY                                 |          |                                                                                                                                                                                                                                                                                                                              |
| KANSAS CITY INTL (MCI)                      | HS 1     | Twy E and Twy F intersection with Rwy 09–27. Immediately after crossing Twy C, both Twy E and Twy F cross Rwy 09–27.                                                                                                                                                                                                         |
|                                             | HS 2     | Twy C and Twy D intersection with Rwy 01R–19L. Immediately after crossing Twy E, both Twy C and Twy D cross Rwy 01R–19L.                                                                                                                                                                                                     |
|                                             | HS 3     | Expect congestion Twy B near main terminal & Twys A7, A8, A9, A10, G and taxi-lanes S, M, N. Do not enter terminal apron without approval.                                                                                                                                                                                   |
|                                             | HS 4     | Misalignment risk. Do not confuse Twy A for Rwy 01L–19R.                                                                                                                                                                                                                                                                     |
| KIRKSVILLE                                  |          |                                                                                                                                                                                                                                                                                                                              |
| KIRKSVILLE RGNL (IRK)                       | HS 1     | Turf Rwy 09–27 taxi route enters Rwy 18–36 approximately 1000' south of the apch end of Rwy 18 between Twy A and Twy B.                                                                                                                                                                                                      |

| CITY/AIRPORT                  | HOT SPOT | DESCRIPTION                                                                                                                                                                               |
|-------------------------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SPRINGFIELD                   |          |                                                                                                                                                                                           |
| SPRINGFIELD-BRANSON NTL (SGF) | HS 1     | Due to large acft parked on the Air Cargo Ramp, twr may be unable to maintain visual ctc with small acft taxiing northbound on Twy U north of Twy B.                                      |
|                               | HS 2     | Int of Twy D and Twy N is in close proximity to Rwy 02-20 and Rwy 14-32. Use caution to insure proper turns to avoid entering the rwy wo a clnc.                                          |
| ST JOSEPH                     |          |                                                                                                                                                                                           |
| ROSECRANS MEML (STJ)          | HS 1     | Apch ends of Rwy 35 and Rwy 31 are both accessed via Twy A4. When departing northbound, cross check compass on rwy to verify use of correct rwy for departure.                            |
|                               | HS 2     | Twy B intersects Rwy 13 approximately 2000' from apch end. Back taxi clearance required for full length departure on Rwy 13.                                                              |
| ST LOUIS                      |          |                                                                                                                                                                                           |
| ST LOUIS LAMBERT INTL (STL)   | HS 1     | When taxiing to Rwy 12L on Twy F insure you turn onto Twy S to avoid entering Rwy 06-24 by mistake.                                                                                       |
| <b>NEBRASKA</b>               |          |                                                                                                                                                                                           |
| GRAND ISLAND                  |          |                                                                                                                                                                                           |
| CENTRAL NEBRASKA RGNL (GRI)   | HS 1     | When taxiing to the apch end of Rwy 13, use caution as Twy B crosses the apch end of Rwy 17. Rwy 17 holding position markings are accompanied by rwy guard lgts on both sides of the rwy. |
|                               | HS 2     | Twy C crossed Rwy 17 immediately after leaving ramp area. Intersection of Rwy 17-35 and Twy C has rwy guard lgts on both sides of the rwy.                                                |
| KEARNEY                       |          |                                                                                                                                                                                           |
| KEARNEY RGNL (EAR)            | HS 1     | Angle and close proximity of rwy intersection creates visibility blind spot for Rwy 13 departures with regard to Rwy 18 ttc. Slight terrain rise further blocks line of sight.            |
| LINCOLN                       |          |                                                                                                                                                                                           |
| LINCOLN (LNK)                 | HS 1     | Rwy 18-36, Rwy 14-32 and Twy D, Twy E and Twy J all intersect with each other in a small area. Angles of intersection can make sighting ttc difficult.                                    |
|                               | HS 2     | Rwy 32 apch holding position is located on Twy A, immediately past the Twy A run up area.                                                                                                 |
| OMAHA                         |          |                                                                                                                                                                                           |
| EPPLEY AIRFIELD (OMA)         | HS 1     | A complex intersection of Twy S and Twy F is located between Rwy 14R-32L and the intersection of Rwy 14L-32R and Rwy 18-36.                                                               |
|                               | HS 2     | Intersection of Twy A, and Twy F is in close proximity to Rwy 18-36 and Rwy 14R-32L.                                                                                                      |
| OMAHA                         |          |                                                                                                                                                                                           |
| OFFUTT AFB (OFF)              | HS 1     | Twy M-S/M-N int used by acft support veh cros rwy.                                                                                                                                        |
|                               | HS 2     | Afid access gate enters directly into twr controlled movement area.                                                                                                                       |
| <b>NORTH DAKOTA</b>           |          |                                                                                                                                                                                           |
| FARGO                         |          |                                                                                                                                                                                           |
| HECTOR INTL (FAR)             | HS 1     | Rwy incursion risk, acft taxiing on Twy B inadvertently cross Rwy 09-27. Be aware of signs and markings.                                                                                  |
|                               | HS 2     | Rwy incursion risk, acft taxiing on Twy C inadvertently cross Rwy 18-36. Be aware of signs and markings.                                                                                  |
|                               | HS 3     | Rwy incursion risk, acft landing Rwy 36 inadvertently exit Rwy 09-27. Be aware of signs and markings.                                                                                     |
| GRAND FORKS                   |          |                                                                                                                                                                                           |
| GRAND FORKS INTL (GFK)        | HS 1     | Clearance necessary to cross Rwy 09L and Twy A intersection.                                                                                                                              |
|                               | HS 2     | Clearance necessary to cross Rwy 17R and Twy B intersection.                                                                                                                              |
| MINOT                         |          |                                                                                                                                                                                           |
| MINOT INTL (MOT)              | HS 1     | Twy B crosses the apch end of Rwy 08. Mandatory rwy hold signs protect Rwy 08-26 on Twy B.                                                                                                |
|                               | HS 2     | Twy C crosses Rwy 08-26 at an angle. Pilots sometimes miss the holding position signs and markings for Rwy 08-26.                                                                         |