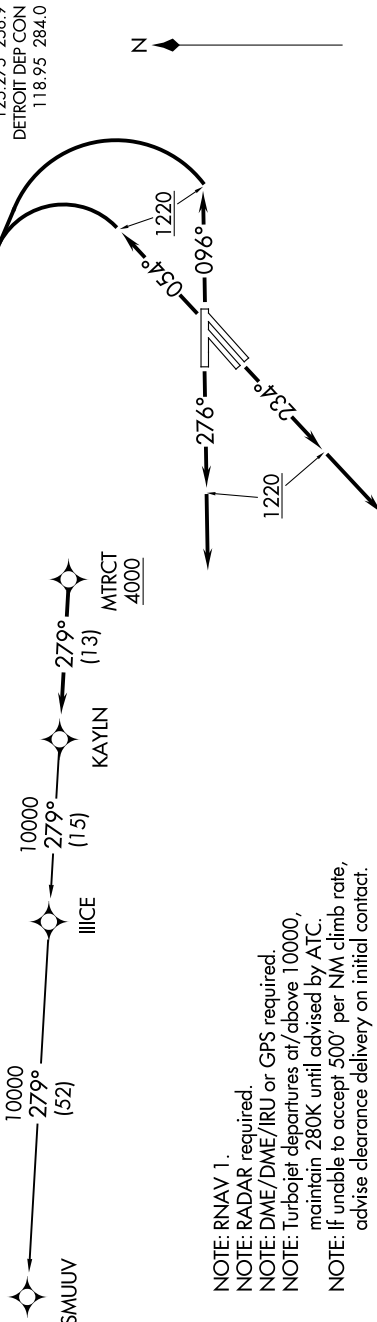


**TOP ALTITUDE:  
ASSIGNED AT ATC**

**TAKEOFF MINIMUMS:**

Rwys 5L/R, 9, 23L/R, 27: Standard with  
minimum climb of 500' per NM to 1220.



ATIS  
127.425  
GND CON  
119.975  
WILLOW RUN TOWER  
125.275 256.9  
DETROIT DEP CON  
118.95 284.0

- NOTE: RNAV 1.
- NOTE: RADAR required.
- NOTE: DME/DME/IRU or GPS required.
- NOTE: Turbojet departures at/above 10000, maintain 280K until advised by ATC.
- NOTE: If unable to accept 500' per NM climb rate, advise clearance delivery on initial contact.

NOTE: Chart not to scale.

**DEPARTURE ROUTE DESCRIPTION**

- ▼ **TAKEOFF RUNWAYS 5L/R:** Climb on heading 054° to 1220, then left turn heading 300° for RADAR vectors to cross MTRCT at or above 4000, thence....
- TAKEOFF RUNWAY 9:** Climb on heading 096° to 1220, then left turn heading 300° for RADAR vectors to cross MTRCT at or above 4000, thence....
- TAKEOFF RUNWAYS 23L/R:** Climb on heading 234° to 1220, then on heading 234° for RADAR vectors to cross MTRCT at or above 4000, thence....
- TAKEOFF RUNWAY 27:** Climb on heading 276° to 1220, then on heading 276° for RADAR vectors to cross MTRCT at or above 4000, thence....

....on track 279° to KAYLN, then on (transition). Maintain ATC assigned altitude, expect filed altitude 10 minutes after departure.

**SMUUV TRANSITION (KAYLN2.SMUUV):**