

**TOP ALTITUDE:  
 ASSIGNED BY ATC**

RADAR required. DME required.

**TAKEOFF MINIMUMS**

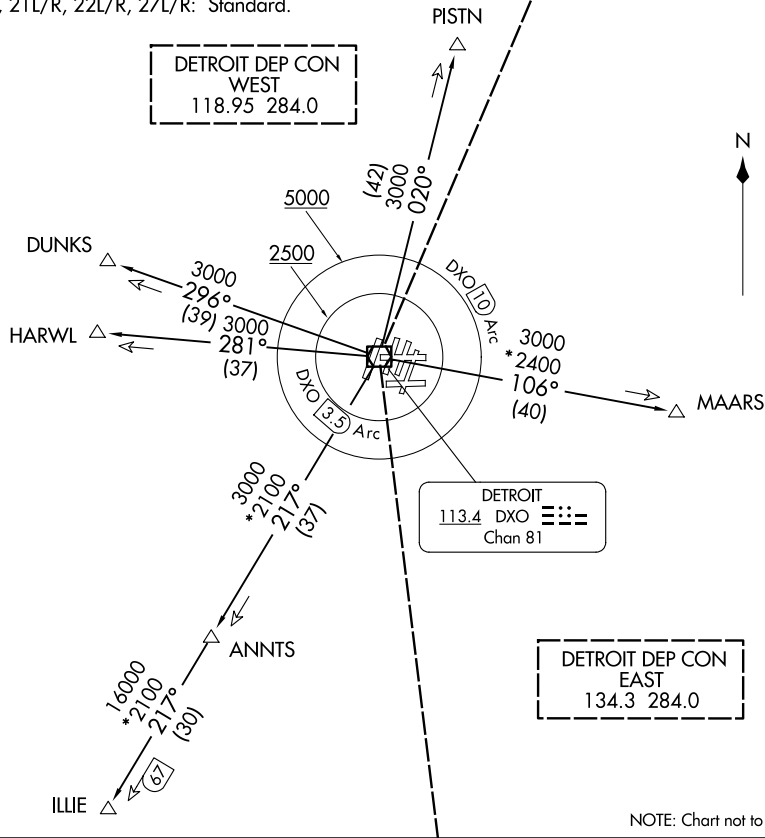
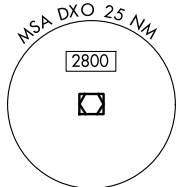
Rwys 3L/R, 4L/R, 9L/R, 21L/R, 22L/R, 27L/R: Standard.

D-ATIS 118.125  
 CLNC DEL 120.65  
 CPDLC  
 GND CON  
 121.8 (NW) 119.45 (NE)  
 132.725 (SW) 119.25 (SE)  
 METRO TOWER  
 118.4 317.725 (Rwys 3L/R, 21L/R, 27R)  
 128.75 317.725 (Rwy 27L)  
 135.0 317.725 (Rwy 4L/R, 22L/R)

NOTE: For use by non-RNAV equipped aircraft only.  
 NOTE: When using this departure, file the appropriate depicted departure fix and route. Aircraft over HARWL must file FL220 and below. Aircraft landing Cleveland (CLE) must file MAARS transition. Turbojet departures at/above 10000, maintain 280K until advised by ATC. If unable, advise ATC prior to departure.

**SPECIAL INSTRUCTIONS:**

For appropriate departure control frequency, see graphic. Use frequency depicted within the sector where first navaid/fix for your route is located (sectors indicated by dashed lines; frequencies in dashed box within).



NOTE: Chart not to scale.

(CONTINUED ON FOLLOWING PAGE)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: Climb on assigned heading. Maintain ATC assigned altitude for RADAR vectors to intercept filed/assigned transition or enroute fix/navaid. When ATC assigned altitude is at or above 5000, cross DXO 10 DME Arc at or above 5000 for noise abatement. If unable to comply, advise ATC prior to departure. Expect clearance to filed altitude/flight level within ten (10) minutes after departure.

ALL AIRCRAFT: ATC climb gradient: If unable to accept climb rate, advise ATC prior to taxi.

- RUNWAY 3L: Cross DXO 3.5 DME at or above 2500 MSL, 737’/NM to 2500.
- RUNWAY 3R: Cross DXO 3.5 DME at or above 2500 MSL, 820’/NM to 2500.
- RUNWAY 4L: Cross DXO 3.5 DME at or above 2500 MSL, 669’/NM to 2500.
- RUNWAY 4R: Cross DXO 3.5 DME at or above 2500 MSL, 856’/NM to 2500.
- RUNWAY 9L: Cross DXO 3.5 DME at or above 2500 MSL, 988’/NM to 2500.
- RUNWAY 9R: Cross DXO 3.5 DME at or above 2500 MSL, 1046’/NM to 2500.
- RUNWAY 21L: Cross DXO 3.5 DME at or above 2500 MSL, 687’/NM to 2500.
- RUNWAY 21R: Cross DXO 3.5 DME at or above 2500 MSL, 538’/NM to 2500.
- RUNWAY 22L: Cross DXO 3.5 DME at or above 2500 MSL, 661’/NM to 2500.
- RUNWAY 22R: Cross DXO 3.5 DME at or above 2500 MSL, 742’/NM to 2500.
- RUNWAY 27L: Cross DXO 3.5 DME at or above 2500 MSL, 521’/NM to 2500.
- RUNWAY 27R: Cross DXO 3.5 DME at or above 2500 MSL, 511’/NM to 2500.

- DUNKS TRANSITION (METRO4.DUNKS): From over DXO VOR/DME on DXO R-296 to DUNKS.
- HARWL TRANSITION (METRO4.HARWL): From over DXO VOR/DME on DXO R-281 to HARWL.
- ILLIE TRANSITION (METRO4.ILLIE): From over DXO VOR/DME on DXO R-217 to ILLIE.
- MAARS TRANSITION (METRO4.MAARS): From over DXO VOR/DME on DXO R-106 to MAARS.
- PISTN TRANSITION (METRO4.PISTN): From over DXO VOR/DME on DXO R-020 to PISTN.