(MUSCL.MUSCL3)
MUSCL THREE ARRIVAL (RNAV)
(MUSCL.MUSCL3) 05JAN17

MUSCL THREE ARRIVAL (RNAV) Transition Routes
MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN (MSP)

MINNEAPOLIS, MINNESOTA
MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN (MSP)

(MUSCL.MUSCL3) 17173
MUSCL THREE ARRIVAL (RNAV)

MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN (MSP) Transition Routes

AL-264 (FAA)   MINNEAPOLIS, MINNESOTA

MINNEAPOLIS APP CON
126.35 335.5
D-ATIS ARR
135.35 239.275

See following page
for Arrival Routes.

MUSCL
17000 280K

6000
*2800
276°
(14)

097°
10 NM

JERMN
FL220 280K

8000
*2600
277°
(33)

CMARO
FL240

8000
*2900
277°
(26)

095°
10 NM

SHEAY

10000
*3600
275°
(65)

CEWDA

10000
*2900
288°
(80)

IDIOM

NOTE: Expect "descend via" clearance and runway
    transition assignment by Center.
    Approach will assign landing Rwy.
NOTE: Turbojet aircraft descend via Mach number
    until intercepting 280K. Maintain 280K
    until slowed by the STAR, or assigned by ATC.
NOTE: DME/DME/IRU or GPS required.
NOTE: For turbojet aircraft only.
NOTE: RADAR required.
NOTE: RNAV 1.

N

CEWDA TRANSITION (CEWDA.MUSCL3)
CMARO TRANSITION (CMARO.MUSCL3)
IDIOM TRANSITION (IDIOM.MUSCL3)
JERMN TRANSITION (JERMN.MUSCL3)
SHEAY TRANSITION (SHEAY.MUSCL3)

(CONTINUED ON FOLLOWING PAGE)

NOTE: Chart not to scale.

(MUSCL.MUSCL3) 17173
MUSCL THREE ARRIVAL (RNAV)
Arrival Routes

MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN (MSP)
AL-264 (FAA)
MINNEAPOLIS, MINNESOTA
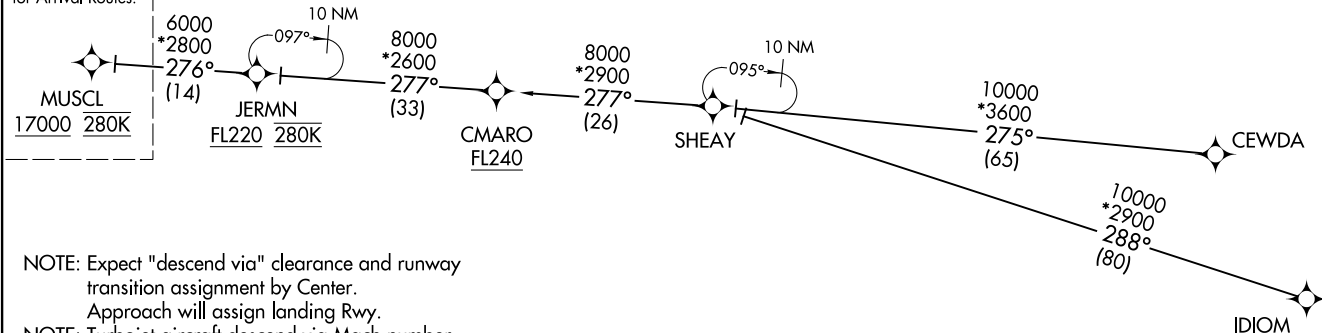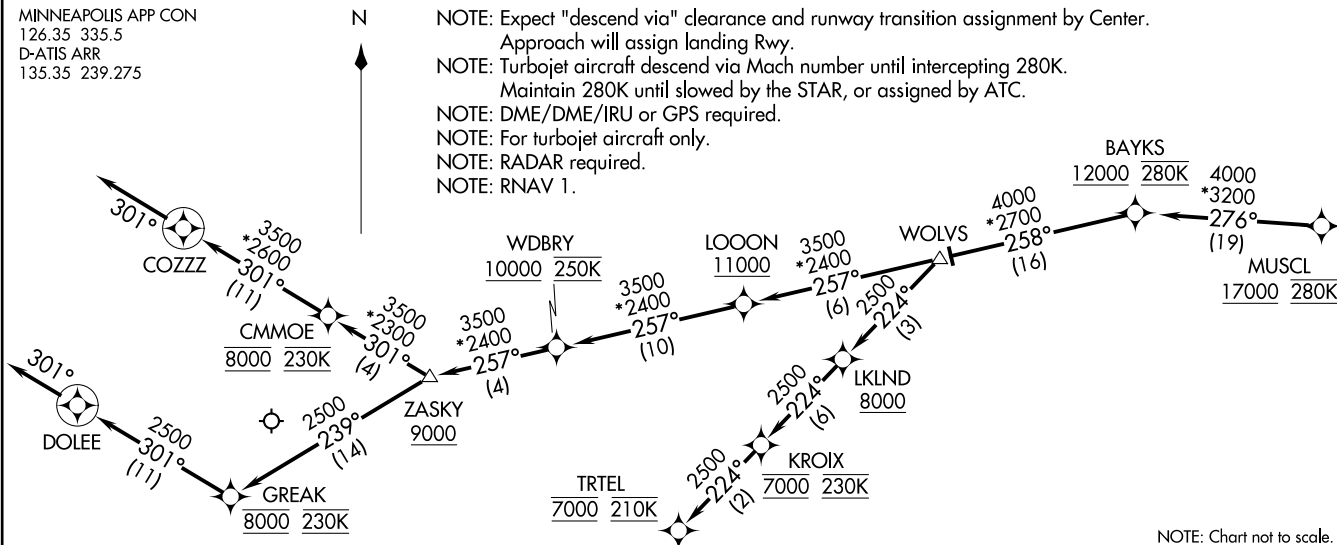
MINNEAPOLIS APP CON
126.35 335.5
D-ATIS ARR
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N

NOTE: Expect "descend via" clearance and runway transition assignment by Center.
Approach will assign landing Rwy.
NOTE: Turbojet aircraft descend via Mach number until intercepting 280K.
Maintain 280K until slowed by the STAR, or assigned by ATC.
NOTE: DME/DME/IRU or GPS required.
NOTE: For turbojet aircraft only.
NOTE: RADAR required.
NOTE: RNAV 1.

NOTE: Chart not to scale.

ARRIVAL ROUTE DESCRIPTION

From MUSCL on track 276° to cross BAYKS at or above 12000 and at 280K, then on track 258° to WOLVS.

LANDING RUNWAYS 4, 12L, 17, 22: From WOLVS on track 257° to cross LOOON at or above 11000, then on track 257° to cross WDBRY at or above 10000 and at 250K, then on track 257° to cross ZASKY at or above 9000, then on track 301° to cross CMMOE at 8000 and at 230K, then on track 301° to COZZZ, then on track 301°. Expect RADAR vectors to final approach course.

LANDING RUNWAYS 12R, 35: From WOLVS on track 257° to cross LOOON at or above 11000, then on track 257° to cross WDBRY at or above 10000 and at 250K, then on track 257° to cross ZASKY at or above 9000, then on track 239° to cross GREAK at 8000 and at 230K, then on track 301° to DOLEE, then on track 301°. Expect RADAR vectors to final approach course.

LANDING RUNWAYS 30L/R: From WOLVS on track 224° to cross LKLND at or above 8000, then on track 224° to cross KROIX at 7000 and at 230K, then on track 224° to cross TRTEL at 7000 and at 210K. Expect RNAV (RNP), RNAV (GPS), or ILS approach or RADAR vectors to final approach course.