

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

| | | | | |
|---------------------------------|--|--|---|---------------------------|
| <u>AIRPORT ID</u> PWK | <u>PROCEDURE NAME</u> RNAV (GPS) RWY 16 | <u>ORIGINAL/AMENDMENT</u> 2B | <u>CITY</u> CHICAGO/PROSPECT HEIGHTS/WHEELING | <u>STATE</u> IL |
| <u>AIRPORT ELEVATION</u> 647 | <u>TDZE</u> 643 | <u>SUPERSEDED</u> RNAV (GPS) RWY 16 | <u>DATED</u> 09/08/2022 | <u>MAG VAR</u> 2W |
| <u>FACILITY</u> RNAV | <u>COORDINATES OF FACILITIES</u> | <u>ACTUAL EFFECTIVE DATE</u> | <u>REQUIRED EFFECTIVE DATE</u> ROUTINE | <u>EPOCH YEAR</u> 2000 |
| | | | | <u>CANCEL/SUSPEND</u> |

TERMINAL ROUTES

| FROM | FIX TYPE | TO | FIX TYPE | LEG TYPE | FO/FB | RNP | COURSE | DISTANCE | ALTITUDE |
|-----------------------|----------|-----------------------|----------|----------|-------|------|--------|----------|----------|
| FILLZ | IAF | HIGUH | | TF | FB | 1.00 | 070.42 | 8.00 | 2500 |
| OYFAM | IAF | HIGUH | | TF | FB | 1.00 | 250.64 | 8.00 | 2500 |
| HIGUH | IF | PAMME | | TF | FB | 1.00 | 160.53 | 6.43 | 2300 |
| PAMME | FAF | FUGIO/2.00 NM TO RW16 | | TF | FB | 0.30 | 160.58 | 3.04 | |
| FUGIO/2.00 NM TO RW16 | | RW16 | MAP | TF | FO | 0.30 | 160.58 | 2.00 | |
| RW16 | MAP | 1200 MSL | | CA | | | 160.58 | | 1200 |
| 1200 MSL | | DEERE | | DF | FO | 1.00 | | | 2100 |

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW16

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1200 THEN CLIMBING LEFT TURN TO 2100 DIRECT DEERE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT HIGUH
- FAC: 160.58 FAF: PAMME DIST FAF TO MAP: 5.04 DIST FAF TO THLD: 5.04
- MIN ALT: HIGUH 2500, PAMME 2300, FUGIO/2.00 NM TO RW16 1320
- DIST TO THLD FROM PFAF: MM: IM: 150 HAT: 284 HAT: 0.73 GS ANT: MM: IM:
- MIN GP INCPT: 2300 GP ALT AT PFAF: PAMME 2300 OM: MM: IM:
- GP ANGLE: 3.00 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH: 51.7
- MSA FROM: RW16 3400



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 16 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19°C OR ABOVE 54°C.
CHART NOTE: CIRCLING RWY 6, 12, 24, 30 NA AT NIGHT.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 218.06 INBOUND.
CHART FAS OBST: 854 BUILDING (17-003517) 420902N/0875441W.
CHART VDP AT 1.34 NM TO RW16.
WAAS CHANNEL # 45627
REFERENCE PATH ID: W16A
LTP HAE: 162.1 M

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA STANDARD - CAT D 900-2 3/4, NA WHEN LOCAL WEATHER NOT AVAILABLE.

| CATEGORY: | A | | | B | | | C | | | D | | | E | | |
|-------------------|---------------|------------|----------------|---------------|------------|----------------|---------------|------------|----------------|---------------|------------|----------------|---------------|------------|----------------|
| FINAL TYPE | DA/MDA | VIS | HAT/HAA |
| LPV DA | 927 | 7/8 | 284 | 927 | 7/8 | 284 | 927 | 7/8 | 284 | 927 | 7/8 | 284 | | | |
| LNAV/VNAV DA | 1083 | 1 1/4 | 440 | 1083 | 1 1/4 | 440 | 1083 | 1 1/4 | 440 | 1083 | 1 1/4 | 440 | | | |
| LNAV MDA | 1120 | 1 | 477 | 1120 | 1 | 477 | 1120 | 1 3/8 | 477 | 1120 | 1 3/8 | 477 | | | |
| CIRCLING | 1140 | 1 | 493 | 1160 | 1 | 513 | 1200 | 1 1/2 | 553 | 1460 | 2 3/4 | 813 | | | |

CHANGES - REASONS

1. INCORPORATED CHANGES FROM P-NOTAM 2/6406 - 8260.19K 8-3-4.C(3)
2. TERMINAL ROUTES: REMOVED "NOPT" FROM FILLZ TO HIGUH AND OYFAM TO HIGUH - HOLD-IN-LIEU OF PT AT HIGUH WAS REMOVED, PER ATC REQUEST.
3. PROFILE LINE 2: CHANGED FROM "HOLD N HIGUH, RT, 160.53 INBOUND, 2500 FT. IN LIEU OF PT (IAF), MAX 6000" TO "PROFILE STARTS AT HIGUH"- HOLD-IN-LIEU OF PT AT HIGUH WAS REMOVED, PER ATC REQUEST; 8260.19K 8-6-7.B(3).
4. ADDITIONAL FLIGHT DATA: REMOVED CHART CIRCLING ICON - NO LONGER REQUIRED.
5. PROFILE LINE 5: REMOVED DIST TO THLD FROM PFAF: 5.04 - 8260.19K 8-6-7.E.



AIRPORT ID
PWK

PROCEDURE NAME
RNAV (GPS) RWY 16

ORIGINAL/AMENDMENT
2B

CITY
CHICAGO/PROSPECT
HEIGHTS/WHEELING

STATE
IL

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** PWK ATCT, ORD APP CON, ZAU, AMGR.

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

OFFICE

DATE

Digitally signed by

Digitally signed by

CASIMIR L TABAKA

DEVELOPED BY

CASEY D HILL

Nov 20, 2025

OFFICE

DATE

TIMOTHY JOHNSON

Nov 19, 2025

AJV-A431

09/18/2025

Digitally signed by

APPROVED BY

CASEY D HILL

OFFICE

DATE

TITLE
MANAGER

CASEY HILL

Nov 19, 2025

AJV-A431

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE
SBAS SERVICE PROVIDER IDENTIFIER
AIRPORT IDENTIFIER
RUNWAY
APPROACH PERFORMANCE DESIGNATOR
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR
REFERENCE PATH IDENTIFIER (APPROACH ID)
LTP/FTP LATITUDE
LTP/FTP LONGITUDE
LTP/FTP ELLIPSOIDAL HEIGHT
FPAP LATITUDE
FPAP LONGITUDE
THRESHOLD CROSSING HEIGHT (TCH)
TCH UNITS SELECTOR (METERS OR FEET USED)
GLIDEPATH ANGLE (GPA)
COURSE WIDTH AT THRESHOLD
LENGTH OFFSET
HORIZONTAL ALERT LIMIT (HAL)
VERTICAL ALERT LIMIT (VAL)

0
0
KPWK
RW16
0
0
W16A
420723.9840N
0875425.6550W
+01621
420600.9860N
0875342.0010W
00051.7
F
03.00
106.75
1224
40.0
50.0

CRC REMAINDER

C91525C2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K5
+01959
+01959



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

| | | | | | | |
|--------------------------|--|-----------------------|---|--------------------|---------------------------------|-------------------------|
| <u>AIRPORT ID</u> PWK | <u>PROCEDURE NAME</u> RNAV (GPS) RWY 16 | <u>AMDT NO.</u> 2B | <u>CITY</u> CHICAGO/PROSPECT HEIGHTS/WHEELING | <u>STATE</u> IL | <u>AIRPORT ELEVATION</u> 647 | <u>FACILITY</u> RNAV |
|--------------------------|--|-----------------------|---|--------------------|---------------------------------|-------------------------|

PART A: OBSTRUCTION DATA SEGMENTS

INITIAL
FROM FILLZ **TO** HIGUH

| | | | | | |
|--------------------|-------------------------|------------|------------|------------|-------------|
| <u>RNP</u> 1.00 | <u>DISTANCE</u> 8.00 | <u>PAT</u> | <u>MAP</u> | <u>HAT</u> | <u>HMAS</u> |
|--------------------|-------------------------|------------|------------|------------|-------------|

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|-------------|------------------------|-----------|------|------|----|------|-----|----|------|-------------|---------|
| AAO | 421427.00N/0880433.00W | 1129 | 215 | 8 | 4B | 1000 | | | | AT371 | 2500 |
| TERRAIN | 421427.00N/0880433.00W | 928 (900) | | | | | | | | AS1500 | 2400 |

COMPUTATIONS

| | | | | | | | | | | | |
|------------|-------------|-------------|------------|-------------|-----------|-----------|------------|----------------------|-------------|----------------|-------------------------------|
| <u>ALT</u> | <u>KIAS</u> | <u>KTAS</u> | <u>HAA</u> | <u>VKTW</u> | <u>TR</u> | <u>BA</u> | <u>DTA</u> | <u>COURSE CHANGE</u> | <u>DVEB</u> | <u>VEB OCS</u> | <u>RF CENTER FIX/DISTANCE</u> |
|------------|-------------|-------------|------------|-------------|-----------|-----------|------------|----------------------|-------------|----------------|-------------------------------|

SEGMENT REMARKS:

INITIAL
FROM OYFAM **TO** HIGUH

| | | | | | |
|--------------------|-------------------------|------------|------------|------------|-------------|
| <u>RNP</u> 1.00 | <u>DISTANCE</u> 8.00 | <u>PAT</u> | <u>MAP</u> | <u>HAT</u> | <u>HMAS</u> |
|--------------------|-------------------------|------------|------------|------------|-------------|

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|-------------------|------------------------|-----------|------|------|----|------|-----|----|------|-------------|---------|
| TOWER (17-000453) | 421715.00N/0875947.00W | 1062 | 20 | 3 | 1A | 1000 | | | | AT438 | 2500 |
| TERRAIN | 421918.00N/0880136.00W | 889 (900) | | | | | | | | AS1500 | 2400 |

COMPUTATIONS

| | | | | | | | | | | | |
|------------|-------------|-------------|------------|-------------|-----------|-----------|------------|----------------------|-------------|----------------|-------------------------------|
| <u>ALT</u> | <u>KIAS</u> | <u>KTAS</u> | <u>HAA</u> | <u>VKTW</u> | <u>TR</u> | <u>BA</u> | <u>DTA</u> | <u>COURSE CHANGE</u> | <u>DVEB</u> | <u>VEB OCS</u> | <u>RF CENTER FIX/DISTANCE</u> |
|------------|-------------|-------------|------------|-------------|-----------|-----------|------------|----------------------|-------------|----------------|-------------------------------|

SEGMENT REMARKS:



AIRPORT ID
PWK

PROCEDURE NAME
RNAV (GPS) RWY 16

AMDT NO.
2B

CITY
CHICAGO/PROSPECT
HEIGHTS/WHEELING

STATE
IL

AIRPORT ELEVATION
647

FACILITY
RNAV

INTERMEDIATE

FROM
HIGUH (IF/IAF)

TO
PAMME

RNP
1.00

DISTANCE
6.43

PAT

MAP

HAT

HMAS

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-----------|-------------|--------------------|----------------|
| TOWER (17-000776) | 421417.00N/0880342.00W | 1109 | 500 | 50 | 5D | 500 | | | | AT691 | 2300 |
| TERRAIN | 421833.00N/0880133.00W | 872 (900) | | | | | | | | AS1000 | 1900 |

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LPV

FROM
PAMME

TO
RW16

RNP
0.30

DISTANCE
5.04

PAT

MAP
DA

HAT
284

HMAS

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-----------|-------------|--------------------|----------------|
| TREE (17-079577) | 420751.11N/0875438.10W | 726 | 20 | 3 | 1A | | 34:1 | | | MA34 | 927 |

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID
PWK

PROCEDURE NAME
RNAV (GPS) RWY 16

AMDT NO.
2B

CITY
CHICAGO/PROSPECT
HEIGHTS/WHEELING

STATE
IL

AIRPORT ELEVATION
647

FACILITY
RNAV

FINAL: LNAV/VNAV

FROM
PAMME

TO
RW16

RNP
0.30

DISTANCE
5.04

PAT

MAP
DA

HAT
440

HMAS

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-----------|-------------|--------------------|----------------|
| POLE (17-039180) | 420819.05N/0875532.81W | 795 | 20 | 3 | 1A | | 23.74:1 | | | | 1083 |

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM
PAMME

TO
FUGIO/2.00 NM TO RW16

RNP
0.30

DISTANCE
3.04

PAT

MAP

HAT

HMAS

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-----------|-------------|--------------------|----------------|
| AAO | 421148.00N/0875824.00W | 916 | 215 | 8 | 4B | 250 | | | | RA40 DG114 | 1320 |

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID
PWK

PROCEDURE NAME
RNAV (GPS) RWY 16

AMDT NO.
2B

CITY
CHICAGO/PROSPECT
HEIGHTS/WHEELING

STATE
IL

AIRPORT ELEVATION
647

FACILITY
RNAV

FINAL: LNAV STEPDOWN

FROM
FUGIO/2.00 NM TO RW16

TO
RW16

RNP
0.30

DISTANCE
2.00

PAT

MAP
RW16

HAT
477

HMAS

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|----------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-----------|-------------|--------------------|----------------|
| BUILDING (17-003517) | 420902.34N/0875440.99W | 854 | 20 | 10 | 1B | 250 | | | | | 1120 |

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LPV

FROM
DA **TO**
DEERE

RNP
0.30

DISTANCE

PAT

MAP

HAT

HMAS
724

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-----------|-------------|--------------------|----------------|
| TREE (17-079577) | 420751.11N/0875438.10W | 726 | 20 | 3 | 1A | | ASC | | | | 2100 |
| TOWER (17-001986) | 420333.81N/0875145.32W | 1027 | 20 | 10 | 1B | 1000 | | | | | 2100 |
| TERRAIN | 420642.00N/0874903.00W | 711 (700) | | | | | | | | AS1000 | 1700 |

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID
PWK

PROCEDURE NAME
RNAV (GPS) RWY 16

AMDT NO.
2B

CITY
CHICAGO/PROSPECT
HEIGHTS/WHEELING

STATE
IL

AIRPORT ELEVATION
647

FACILITY
RNAV

MISSED APPROACH: LNAV/VNAV

FROM
DA **TO**
DEERE

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
0.30 922

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|-------------------|------------------------|-----------|------|------|----|------|-----|----|------|-------------|---------|
| | | | | | | | ASC | | | | 2100 |
| TOWER (17-001986) | 420333.81N/0875145.32W | 1027 | 20 | 10 | 1B | 1000 | | | | | 2100 |
| TERRAIN | 420642.00N/0874903.00W | 711 (700) | | | | | | | | AS1000 | 1700 |

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM
RW16 **TO**
DEERE

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
0.30-1.00 1020

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|-------------------|------------------------|-----------|------|------|----|------|-----|----|------|-------------|---------|
| | | | | | | | ASC | | | | 2100 |
| TOWER (17-001986) | 420333.81N/0875145.32W | 1027 | 20 | 10 | 1B | 1000 | | | | | 2100 |
| TERRAIN | 420642.00N/0874903.00W | 711 (700) | | | | | | | | AS1000 | 1700 |

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:



AIRPORT ID
PWK

PROCEDURE NAME
RNAV (GPS) RWY 16

AMDT NO.
2B

CITY
CHICAGO/PROSPECT
HEIGHTS/WHEELING

STATE
IL

AIRPORT ELEVATION
647

FACILITY
RNAV

CIRCLING ALL CATS CAT A CAT B CAT C CAT D CAT E NOT AUTHORIZED

| OBSTRUCTION | COORDINATES | RADIUS | HAA | ELEV MSL | HORZ | VERT | AC | ROC | OCS | ADJUSTMENTS | MIN ALT |
|----------------------|------------------------|---------------|------------|-----------------|-------------|-------------|-----------|------------|------------|--------------------|----------------|
| CATEGORY A | | | | | | | | | | | |
| BUILDING (17-001638) | 420603.71N/0875211.09W | 1.30 | 493 | 834 | 20 | 10 | 1B | 300 | | | 1140 |
| CATEGORY B | | | | | | | | | | | |
| BUILDING (17-003517) | 420902.34N/0875440.99W | 1.83 | 513 | 854 | 20 | 10 | 1B | 300 | | | 1160 |
| CATEGORY C | | | | | | | | | | | |
| ANTENNA (17-079521) | 420427.79N/0875503.56W | 2.87 | 553 | 889 | 20 | 10 | 1B | 300 | | | 1200 |
| CATEGORY D | | | | | | | | | | | |
| TOWER (17-000689) | 420813.65N/0875857.22W | 3.75 | 813 | 1149 | 20 | 3 | 1A | 300 | | | 1460 |

CIRCLING REMARKS:

MSA

CENTER **RADIUS**
RW16 25

| SECTOR | OBSTRUCTION | COORDINATES | BEARING | DISTANCE | ELEV MSL | HORZ | VERT | AC | ROC | OCS | ADJUSTMENTS | MIN ALT |
|---------------|--------------------|------------------------|----------------|-----------------|-----------------|-------------|-------------|-----------|------------|------------|--------------------|----------------|
| 360-360 | BLDG (17-000687) | 415244.00N/0873809.00W | 142 | 19.0 | 2325 | 50 | 50 | 2D | 1000 | | | 3400 |

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

PWK TOWER, ORD APP CON

| WX SERVICE | LOCATION | HRS OPERATION | ALTIMETER SOURCE | DISTANCE | WMSCR | ADJUSTMENTS |
|---------------------------|-----------------|----------------------|-------------------------|-----------------|--------------|--------------------|
| ASOS | PWK | 24 | PWK | | Y | 0 |
| BACK-UP WX SERVICE | LOCATION | HRS OPERATION | ALTIMETER SOURCE | DISTANCE | WMSCR | ADJUSTMENTS |
| ASOS | ORD | 24 | ORD | 7.97 | Y | 24 |

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
PWK 647, ORD 680
RA = 23.6



PRIMARY NAVAID **MONITOR POINT** **HRS OPERATION** **CAT**

AIRPORT ID
PWK

PROCEDURE NAME
RNAV (GPS) RWY 16

AMDT NO.
2B

CITY
CHICAGO/PROSPECT
HEIGHTS/WHEELING

STATE
IL

AIRPORT ELEVATION
647

FACILITY
RNAV

| <u>APPROACH AND RUNWAY LIGHTING SYSTEM</u> | <u>RUNWAY MARKINGS</u> | <u>RUNWAY VISUAL RANGE</u> |
|--|------------------------|----------------------------|
| RW06 - HIRL (PCL), PAPI-4L | BSC-F | |
| RW24 - HIRL (PCL) | BSC-F | |
| RW12 - MIRL (PCL), REIL, PAPI-4L | NPI-G | |
| RW30 - MIRL (PCL), REIL, PAPI-4L | NPI-G | |
| RW16 - LDIN (PCL), REIL (PCL), HIRL (PCL), PAPI-4L | PIR-G | |
| RW34 - REIL (PCL), HIRL (PCL), PAPI-4L | PIR-G | |

GLIDESLOPE ANGLE
3.00

ELEV RWY THRESHOLD
642.8

TCH
51.7

ELEV GS ANTENNA

DISTANCE FROM RWY

VGSI ANGLE
3.00

TCH
49.0

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD

FT FROM THRESHOLD

DISPLACED THRESHOLD DISTANCE

ON CENTERLINE

FT FROM CENTERLINE

CRITICAL TEMPERATURES

CRITICAL LOW
-19C

CRITICAL HIGH
+54C

ACT
-23C

APT ISA
+13.72C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2015-2019).
CRITICAL LOW TEMPERATURE BASED ON EFFECTIVE GPA.
DESCENT RATE (FPM): STANDARD TEMP 964 HIGH TEMP 1271.

"VISUAL PORTION OF FINAL" PENETRATIONS

| FINAL TYPE | CIRCLING RW 34 |
|--|--|
| 20:1 | |
| 658 TRAVERSE_WAY (17-045948) 420634.6500N/0875402.3600W (9.42) | 658 TRAVERSE_WAY (17-041500) 420634.6000N/0875401.1400W (7.51) |
| 657 TRAVERSE_WAY (17-078995) 420634.1800N/0875402.5500W (6.47) | 658 TRAVERSE_WAY (17-079011) 420634.5700N/0875400.3900W (6.34) |
| 658 TRAVERSE_WAY (17-058709) 420634.5600N/0875400.0200W (5.78) | 657 TRAVERSE_WAY (17-079593) 420634.2000N/0875401.0100W (4.45) |
| 656 TRAVERSE_WAY (17-079444) 420633.9100N/0875402.4300W (4.03) | 653 LIGHTING (17-026316) 420635.2600N/0875359.9800W (4.03) |
| 658 TRAVERSE_WAY (17-039020) 420634.5100N/0875358.7500W (3.8) | 658 TRAVERSE_WAY (17-047212) 420634.4900N/0875358.1200W (2.84) |
| 652 SIGN (17-078951) 420634.7600N/0875401.2000W (2.35) | 658 TRAVERSE_WAY (17-079579) 420634.4800N/0875357.5900W (2.06) |
| 656 TRAVERSE_WAY (17-078480) 420633.9200N/0875400.9300W (2.02) | 649 FENCE (17-078425) 420634.9900N/0875402.2000W (1.8) |
| 657 TRAVERSE_WAY (17-079068) 420634.1000N/0875359.4000W (1.76) | 658 TRAVERSE_WAY (17-031693) 420634.4800N/0875356.9100W (1.13) |
| 652 SIGN (17-079297) 420634.4400N/0875401.2100W (0.85) | 655 TRAVERSE_WAY (17-078881) 420633.4900N/0875402.2800W (0.84) |
| 650 NAVAID (17-078656) 420635.2900N/0875359.7000W (0.78) | 650 NAVAID (17-079191) 420635.1200N/0875400.2700W (0.76) |
| 655 TRAVERSE_WAY (17-041450) 420633.4900N/0875401.8800W (0.29) | 656 TRAVERSE_WAY (17-079336) 420633.5300N/0875400.8700W (0.1) |



| FINAL TYPE | CIRCLING RWY 12 | |
|---|-----------------|--|
| 20:1 | | |
| 689 TREE (17-031947) 420653.9500N/0875428.0200W (35.98) | | 709 TREE (17-042530) 420701.3100N/0875433.5400W (20.14) |
| 678 POLE (17-026442) 420657.3700N/0875427.9500W (17.1) | | 670 BUILDING (17-042842) 420657.7000N/0875425.3800W (16.87) |
| 689 TREE (17-043437) 420656.3500N/0875432.5300W (15.27) | | 686 TREE (17-078344) 420655.8100N/0875432.4800W (13.72) |
| 658 TRAVERSE_WAY (17-058641) 420656.7200N/0875423.5600W (13.25) | | 678 POLE (17-026438) 420658.8700N/0875428.0500W (13.21) |
| 686 TREE (17-079058) 420656.0500N/0875432.4700W (13.18) | | 684 TREE (17-079647) 420655.5600N/0875432.4400W (12.45) |
| 694 TREE (17-079506) 420657.7300N/0875433.9300W (12.34) | | 693 TREE (17-079138) 420659.7800N/0875432.3100W (11.87) |
| 701 TREE (17-079039) 420701.4200N/0875433.9700W (10.45) | | 684 TREE (17-042526) 420657.6600N/0875431.6200W (10.19) |
| 660 TRAVERSE_WAY (17-079173) 420653.8100N/0875427.2900W (9.74) | | 660 TRAVERSE_WAY (17-079219) 420654.5400N/0875427.2100W (8.28) |
| 689 TREE (17-039207) 420658.8000N/0875433.0000W (7.89) | | 658 TRAVERSE_WAY (17-044087) 420656.7100N/0875425.6000W (6.49) |
| 686 TREE (17-079566) 420657.6400N/0875433.3800W (6.38) | | 662 SIGN (17-079463) 420655.1600N/0875428.0100W (6.14) |
| 711 TREE (17-058939) 420658.9600N/0875440.0900W (5.91) | | 672 POLE (17-026406) 420658.5500N/0875428.6800W (5.87) |
| 661 TRAVERSE_WAY (17-039082) 420655.6100N/0875427.4900W (5.8) | | 687 TREE (17-078621) 420657.4300N/0875434.1900W (5.18) |
| 661 TRAVERSE_WAY (17-044397) 420656.6300N/0875427.0100W (4.98) | | 686 TREE (17-039217) 420657.9100N/0875433.6500W (4.84) |
| 684 TREE (17-078967) 420657.8600N/0875433.2100W (4.43) | | 660 TRAVERSE_WAY (17-078177) 420655.4800N/0875427.7100W (4.38) |
| 659 TRAVERSE_WAY (17-078126) 420656.0700N/0875427.0700W (4.11) | | 660 TRAVERSE_WAY (17-079370) 420656.9900N/0875427.0900W (2.86) |
| 679 BUILDING (17-020012) 420700.0600N/0875430.7700W (2.33) | | 688 TREE (17-079402) 420657.6100N/0875435.2300W (2.3) |
| 692 TREE (17-058744) 420657.7000N/0875436.3800W (2.25) | | 685 TREE (17-079325) 420657.8300N/0875434.2800W (1.94) |
| 681 TREE (17-078208) 420658.9500N/0875432.4200W (1.47) | | 690 TREE (17-078435) 420658.7000N/0875435.3900W (1.18) |
| 681 TREE (17-078245) 420659.3100N/0875432.2800W (1.08) | | 690 TREE (17-043422) 420657.8500N/0875436.1600W (0.63) |
| 674 BUILDING (17-078795) 420659.6900N/0875430.1200W (0.37) | | |
| FINAL TYPE | CIRCLING RWY 24 | |
| 20:1 | | |
| 719 TREE (17-031697) 420653.100N/0875334.800W (13.37) | | 735 TREE (17-046987) 420658.530N/0875333.450W (12.51) |
| 726 TREE (17-078550) 420653.550N/0875332.360W (11.13) | | 717 TREE (17-079246) 420656.140N/0875336.190W (9.16) |
| 722 TREE (17-079690) 420656.020N/0875334.530W (8.84) | | 718 TREE (17-079120) 420654.640N/0875334.490W (7.84) |
| 732 TREE (17-078129) 420653.910N/0875329.280W (5.94) | | 719 TREE (17-079016) 420657.380N/0875334.560W (2.86) |
| 705 TREE (17-079199) 420658.500N/0875338.980W (1.21) | | 729 TREE (17-079693) 420657.090N/0875330.560W (0.04) |
| FINAL TYPE | CIRCLING RWY 30 | |
| 20:1 | | |
| 655 TRAVERSE_WAY (17-042533) 420634.160N/0875337.100W (10.64) | | 672 TREE (17-079008) 420632.470N/0875332.720W (9.05) |
| 672 TREE (17-078226) 420632.010N/0875332.750W (8.06) | | 694 TREE (17-058703) 420634.750N/0875324.030W (7.54) |
| 705 TREE (17-079230) 420632.920N/0875321.960W (7.3) | | 669 TREE (17-078897) 420632.780N/0875332.700W (6.72) |
| 647 FENCE (17-078627) 420634.510N/0875337.320W (4.2) | | 706 TREE (17-078597) 420632.940N/0875320.140W (2.29) |



AIRPORT ID
PWK

PROCEDURE NAME
RNAV (GPS) RWY 16

AMDT NO.
2B

CITY
CHICAGO/PROSPECT
HEIGHTS/WHEELING

STATE
IL

AIRPORT ELEVATION
647

FACILITY
RNAV

| | |
|--|--|
| 654 TRAVERSE_WAY (17-078867) 420634.120N/0875334.550W (1.06) | 663 BUILDING (17-002956) 420632.900N/0875332.660W (0.87) |
| 665 BUILDING (17-078562) 420632.570N/0875332.100W (0.22) | |
| FINAL TYPE | CIRCLING RWY 6 |
| 20:1 | |
| 683 TREE (17-078352) 420637.800N/0875428.370W (10.42) | 692 TREE (17-079611) 420637.690N/0875431.250W (9.47) |
| 694 TREE (17-078750) 420633.170N/0875428.980W (8.87) | 686 POLE (17-079585) 420633.280N/0875426.840W (8.33) |
| 680 POLE (17-026441) 420635.410N/0875426.610W (7.93) | 679 POLE (17-026439) 420637.960N/0875428.190W (7.39) |
| 685 POLE (17-026440) 420633.240N/0875428.220W (2.59) | |
| FINAL TYPE | LPV, LNAV/VNAV, LNAV |
| 34:1 | |
| 700 TREE (17-031767) 420738.660N/0875434.330W (15.38) | 692 TREE (17-079455) 420737.430N/0875429.760W (14.49) |
| 693 TREE (17-078287) 420738.320N/0875429.300W (13.39) | 706 TREE (17-079260) 420740.350N/0875438.910W (13) |
| 698 TREE (17-058960) 420740.470N/0875431.900W (10.33) | 695 TREE (17-057851) 420739.840N/0875433.260W (7.98) |
| 703 TREE (17-078272) 420741.010N/0875439.200W (7.93) | 694 TREE (17-078270) 420739.680N/0875432.880W (7.73) |
| 694 TREE (17-079750) 420739.960N/0875432.050W (7.62) | 661 SIGN (17-079542) 420728.700N/0875430.450W (7.13) |
| 661 TRAVERSE_WAY (17-079738) 420730.240N/0875425.620W (6.77) | 662 TRAVERSE_WAY (17-047446) 420730.610N/0875425.750W (6.64) |
| 697 TREE (17-041936) 420741.140N/0875432.950W (6.63) | 686 TREE (17-078712) 420738.570N/0875429.220W (5.77) |
| 692 TREE (17-078551) 420740.100N/0875431.630W (5.58) | 660 TRAVERSE_WAY (17-079077) 420730.040N/0875427.000W (5.21) |
| 661 TRAVERSE_WAY (17-058942) 420730.410N/0875427.090W (5.11) | 660 TRAVERSE_WAY (17-041935) 420729.140N/0875430.460W (4.9) |
| 659 TRAVERSE_WAY (17-079613) 420728.560N/0875431.320W (4.82) | 659 TRAVERSE_WAY (17-078323) 420729.070N/0875430.010W (4.46) |
| 699 TREE (17-041573) 420740.700N/0875439.670W (4.41) | 659 TRAVERSE_WAY (17-079098) 420729.640N/0875428.600W (4.02) |
| 660 SIGN (17-079583) 420729.150N/0875431.530W (4.01) | 660 TRAVERSE_WAY (17-078879) 420730.000N/0875428.800W (3.86) |
| 726 TREE (17-079577) 420751.110N/0875438.100W (3.82) | 686 TREE (17-079428) 420738.690N/0875431.310W (3.74) |
| 669 TREE (17-078418) 420733.740N/0875427.370W (3.65) | 659 TRAVERSE_WAY (17-078662) 420729.320N/0875430.210W (3.61) |
| 659 TRAVERSE_WAY (17-078465) 420728.930N/0875431.570W (3.59) | 659 TRAVERSE_WAY (17-047447) 420729.940N/0875428.370W (3.38) |
| 713 TREE (17-039178) 420745.130N/0875443.330W (3.17) | 687 TREE (17-078945) 420739.620N/0875430.580W (2.76) |
| 692 TREE (17-043442) 420741.870N/0875429.740W (2.2) | 689 TREE (17-079328) 420740.160N/0875432.220W (1.93) |
| 691 TREE (17-079502) 420740.890N/0875432.820W (1.42) | 692 TREE (17-079225) 420741.450N/0875433.360W (0.43) |
| PENETRATIONS REMARKS: | |
| | |



AIRPORT ID
PWK

PROCEDURE NAME
RNAV (GPS) RWY 16

AMDT NO.
2B

CITY
CHICAGO/PROSPECT
HEIGHTS/WHEELING

STATE
IL

AIRPORT ELEVATION
647

FACILITY
RNAV

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

CONTINGENCY NOTES: USE ORD ALTIMETER SETTING AND INCREASE LPV DA TO 951 FEET; INCREASE LNAV/VNAV DA TO 1107 FEET AND ALL VISIBILITIES 1/8 SM. INCREASE ALL MDAS 40 FEET. BARO-VNAV AND VDP NA WHEN USING ORD ALTIMETER SETTING.

ALL VEGETATION 100 FEET.

OBSTACLES 17-026197 AND 17-026198 ARE APPROVED VGS PENETRATIONS.

OBSTRUCTION LIGHTS INSTALLED FOR RUNWAY 34 PENETRATIONS.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

| | | | |
|------------------------|--------------|--|--------|
| DISTANCE FROM | THLD | TO 1000FT POINT | 3.16 |
| WIDTH OF | FINAL | SEGMENT AT 1000FT POINT | 1.20 |
| TRUE COURSE OF | FINAL | SEGMENT CONTAINING 1000FT POINT | 158.58 |
| HIGH TERRAIN IN | FINAL | SEGMENT CONTAINING 1000FT POINT | 700 |
| DISTANCE FROM | THLD | TO 1500FT POINT | 11.27 |
| WIDTH OF | INTERMEDIATE | SEGMENT AT 1500FT POINT | 4.00 |
| TRUE COURSE OF | INTERMEDIATE | SEGMENT CONTAINING 1500FT POINT | 158.53 |
| HIGH TERRAIN IN | INTERMEDIATE | SEGMENT CONTAINING 1500FT POINT | 900 |

THRESHOLD COORDINATES (IF STR-IN)

420723.98N/0875425.66W

ARP COORDINATES

420651.41N/0875405.55W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

RUNWAY 16 DISTANCE 0.60 NM

FAF COORDINATES

421205.72N/0875654.10W

FIX NAME COORDINATES

IF/IAF HIGUH 421804.84N/0880004.06W

REMARKS

PART E: PREPARED BY

NAME

TIMOTHY JOHNSON

OFFICE

AJV-A431

DATE

09/18/2025

TITLE

AERONAUTICAL INFORMATION SPECIALIST

