

# RADIO FIX AND HOLDING DATA RECORD

NAME: BITTR

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 430717.68N/0855638.18W

TYPE: WP, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	PULLMAN	PMM	VOR/DME	H	010.19	010.19	39.96	39.96	12000	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	N		WP	013.41	193.41	R	10	9000 45000	15 30

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (26-002926)	431835.40N/0855444.80W	1847	5D

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
PAT 1: EVALUATED WITH 10 DME LEG LENGTH AT ATC REQUEST.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	J548	1	1	KORD	CHICAGO	IL (US)
STAR	WYNDE (RNAV)					

REQUIRED CHARTING: STAR, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8

DATE OF REVISION: 04/17/2025

## REASON FOR REVISION:

CHANGED REQUIRED CHARTING FROM CONTROLLER TO CONTROLLER HIGH

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A33

NAME: COLE NESBITT

APPROVED BY:

DATE: 03/13/2025

OFFICE: AJV-A33

NAME: JOHN BORDY

SIGNATURE:

*Digitally signed by*

**ERIC N SUSKI**

Jan 08, 2025

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: CSTLO

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 431050.36N/0852232.67W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	N		WP	015.89	195.89	R	12	6000	32000	20	24

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (26-002264)	433136.00N/0851307.00W	1475	1A

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
PAT 1: 12 DME LEG LENGTH AT ATC REQUEST.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	WYNDE (RNAV)		1	KORD	CHICAGO	IL (US)

REQUIRED CHARTING: STAR, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 04/17/2025

## REASON FOR REVISION:

CHANGED REQUIRED CHARTING FROM CONTROLLER TO CONTROLLER HIGH

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A33

NAME: COLE NESBITT

APPROVED BY:

DATE: 03/13/2025

OFFICE: AJV-A33

NAME: JOHN BORDY

SIGNATURE:

*Digitally signed by*

**ERIC N SUSKI**

Jan 08, 2025

QUALITY  
14  
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# RADIO FIX AND HOLDING DATA RECORD

NAME: DITCA

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 424446.17N/0854323.87W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
STAR

USE TITLE  
WYNDE (RNAV)

FAC

PAT

AIRPORT IDENT  
KORD

CITY  
CHICAGO

STATE  
IL (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 04/17/2025

REASON FOR REVISION:

LATITUDE/LONGITUDE: CHANGED FROM "424450.45N/0854300.14W" TO "424446.17N/0854323.87W" FIX MOVED 1823FT WEST

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A33

NAME: COLE NESBITT

APPROVED BY:

DATE: 03/13/2025

OFFICE: AJV-A33

NAME: JOHN BORDY

SIGNATURE:

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**ERIC N SUSKI**

Jan 08, 2025

QUALITY  
14  
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# RADIO FIX AND HOLDING DATA RECORD

NAME: FIYER

STATE: IL

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 422351.97N/0871916.21W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
STAR

USE TITLE  
WYNDE (RNAV)

FAC

PAT

AIRPORT IDENT  
KORD

CITY  
CHICAGO

STATE  
IL (US)

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 04/17/2025

REASON FOR REVISION:

CHANGED REQUIRED CHARTING FROM CONTROLLER TO CONTROLLER LOW

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A33

NAME: COLE NESBITT

APPROVED BY:

DATE: 03/13/2025

OFFICE: AJV-A33

NAME: JOHN BORDY

SIGNATURE:

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**ERIC N SUSKI**

Jan 08, 2025

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: KAYYS

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 425303.96N/0843450.40W

TYPE: WP

AIRSPACE DOCKET: 24-AGL-18

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	E		WP	085.63	265.63	R	12	6000	32000	20	24

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	STACK (26-000056)	424308.00N/0843328.00W	1449	3C

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
PAT 1: EVALUATED WITH 12 DME LEG LENGTH AT ATC REQUEST.  
NAME CHANGED FROM EMMMA TO KAYYS

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	Q436					(US)
STAR	WYNDE (RNAV)		1	KORD	CHICAGO	IL (US)

REQUIRED CHARTING: STAR, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 04/17/2025

## REASON FOR REVISION:

1. NAME: CHANGED FROM EMMMA TO KAYYS
2. TYPE: REMOVED DME
3. FIX MAKE-UP FACILITIES: REMOVED FNT
4. CHANGED REQUIRED CHARTING FROM CONTROLLER TO CONTROLLER HIGH

2/11/2025: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 8/23/2024.

1. ADDED AIRSPACE DOCKET: 24-AGL-18.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A33

NAME: COLE NESBITT

APPROVED BY:

DATE: 03/13/2025

OFFICE: AJV-A33

NAME: JOHN BORDY

SIGNATURE:

*Digitally signed by*

**ERIC N SUSKI**

Jan 08, 2025

QUALITY  
16  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: ODAXY

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 443800.86N/0831216.23W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

**FIX USE:**

USE TYPE  
IAP  
STAR

USE TITLE  
RNAV (GPS) RWY 25  
WYNDE (RNAV)

FAC

PAT

AIRPORT IDENT  
KOSC  
KORD

CITY  
OSCODA  
CHICAGO

STATE  
MI (US)  
IL (US)

REQUIRED CHARTING: STAR, IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 04/17/2025

**REASON FOR REVISION:**

REQUIRED CHARTING: ADDED "EN ROUTE LOW" AND "CONTROLLER LOW"

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A33

NAME: COLE NESBITT

APPROVED BY:

DATE: 03/13/2025

OFFICE: AJV-A33

NAME: JOHN BORDY

SIGNATURE:

*Digitally signed by*

**ERIC N SUSKI**

Jan 08, 2025

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: PAITN

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 423339.71N/0864321.38W

TYPE: WP, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	PULLMAN	PMM	VOR/DME	H	281.95	281.95	28.00	28.00		4000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	E		WP	078.88	258.88	R		9	6000	17500	13	17

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	208' SHIP	423438.28N/0864029.39W	786	2C

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
PAT 1: EVALUATED WITH 9 DME LEG LENGTH AT ATC REQUEST.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V170	1				(US)
STAR	WYNDE (RNAV)		1	KORD	CHICAGO	IL (US)

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 04/17/2025

## REASON FOR REVISION:

1. FIX MAKE-UP FACILITIES: REMOVED FAC 2 VIO; REMOVED FAC 3 OBK.
2. EXPANDED SERVICE VOLUME (ESV): REMOVED VIO; REMOVED OBK.
3. REMARKS: REMOVED PULLMAN (FAC 1) USED TO ESTABLISH FIX COORDINATES.
4. REQUIRED CHARTING: CHANGED FROM CONTROLLER TO CONTROLLER LOW.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A33

NAME: COLE NESBITT

APPROVED BY:

DATE: 03/13/2025

OFFICE: AJV-A33

NAME: JOHN BORDY

SIGNATURE:

Digitally signed by

**ERIC N SUSKI**

Jan 08, 2025

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: UFDUH

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 434235.91N/0854746.97W

TYPE: WP, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	TRAVERSE CITY	TVC	VOR/DME	VH	192.57	190.57	58.45	58.45		12000	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J548	1		KORD	CHICAGO	(US)
STAR	WYNDE (RNAV)					IL (US)

REQUIRED CHARTING: STAR, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 04/17/2025

## REASON FOR REVISION:

1. FIX MAKE-UP FACILITIES: TVC CLASS CHANGED FROM H TO VH
2. EXPANDED SERVICE VOLUME (ESV): REMOVED TVC
3. REQUIRED CHARTING: CHANGED FROM CONTROLLER TO CONTROLLER HIGH
4. REMARKS: REMOVED "ENROUTE AND STAR MEA 18000, ATC REQUEST 12000 FOR VECTORING."

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A33

NAME: COLE NESBITT

APPROVED BY:

DATE: 03/13/2025

OFFICE: AJV-A33

NAME: JOHN BORDY

SIGNATURE:

*Digitally signed by*

**ERIC N SUSKI**

Jan 08, 2025

QUALITY  
14  
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