

RADIO FIX AND HOLDING DATA RECORD

NAME: ELY VOR/DME **STATE:** MN **COUNTRY:** US **ICAO REGION CODE:** K3

LATITUDE/LONGITUDE: 474918.84N/0914948.51W **TYPE:**

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	ELY	ELO	VOR/DME	L						17500

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

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	111.12	291.12	L	4	4000 14000	5 10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (27-001357)	475301.00N/0915032.00W	2000	5D

REASON FOR NONSTANDARD HOLDING:

PAT 1 PROHIBITED AREA 204

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATED.
ELY VOR/DME MAG/VAR E0.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US) MN (US)
EN ROUTE IAP	V177 RNAV (GPS) RWY 8		1	K12D	TOWER	

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8 **DATE OF REVISION:** 12/05/2019

REASON FOR REVISION:

DELETED HOLDING PATTERN NUMBER 1 VOR/DME
UPDATED FIX USE: DELETED VOR/DME RWY 12 (KELO)
UPDATED REQUIRED CHARTING: ADDED CONTROLLER LOW

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A432 **NAME:** RICHARD CHRISTENSEN

APPROVED BY: **DATE:** **OFFICE:** AJV-A430 **NAME:** LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY:
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: HIBBING VOR/DME **STATE:** MN **COUNTRY:** US **ICAO REGION CODE:** K3

LATITUDE/LONGITUDE: 471805.50N/0924214.56W **TYPE:**

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 FEET	MAA
1	HIBBING	HIB	VOR/DME	L						17500

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

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	SE	HIB	VOR/DME	130.21	310.21	R	1	3600 14000	4 10
2	SW	HIB	VOR/DME	227.00	047.00	R	1	3100 12000	4 9
3	W		WP	252.09	072.09	R	4	3600 6000	5 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	471712.00N/0923039.00W	1667	4E
2	200	AAO	472024.00N/0923757.00W	1651	4E
3	200	AAO	472024.00N/0923757.00W	1651	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V129					(US)
EN ROUTE	V191					(US)
EN ROUTE	V217					(US)
EN ROUTE	V505					(US)
IAP	RNAV (GPS) RWY 17			KCOQ	CLOQUET	MN (US)
IAP	RNAV (GPS) RWY 31			KCQM	COOK	MN (US)
IAP	RNAV (GPS) RWY 27		3	KEVM	EVELETH	MN (US)
IAP	VOR RWY 27			KEVM	EVELETH	MN (US)
IAP	VOR/DME-A		2	KEVM	EVELETH	MN (US)
IAP	ILS OR LOC RWY 34			KGPZ	GRAND RAPIDS	MN (US)
IAP	VOR RWY 34			KGPZ	GRAND RAPIDS	MN (US)
IAP	ILS OR LOC RWY 31		1	KHIB	HIBBING	MN (US)
IAP	ILS OR LOC/DME RWY 13		1	KHIB	HIBBING	MN (US)
IAP	RNAV (GPS) RWY 26			K12D	TOWER	MN (US)
IAP	RNAV (GPS) RWY 8			K12D	TOWER	MN (US)
IAP	RNAV (GPS) RWY 14			KSUW	SUPERIOR	WI (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13 **DATE OF REVISION:** 03/31/2016

REASON FOR REVISION:

PATTERNS: DELETED PAT 2.
FIX USE: REMOVED KHIB - VOR RWY 13 AND VOR RWY 31.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
DEVELOPED BY:	DATE: 01/15/2016	OFFICE: AJV-5420	NAME: JACOB POWERS (JACOB MAXFIELD)
APPROVED BY:	DATE: 01/27/2016	OFFICE: AJV-5420	NAME: GEORGE GONZALEZ

SIGNATURE:

DISTRIBUTION: NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: DLH APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: INKER

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 475342.51N/0930144.03W

TYPE: WP, INT, 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	HIBBING	HIB	VOR/DME	L	337.81	339.81	38.00	38.00		3600	17500
2	ORR	ORB	NDB	MH	220.44	222.44		10.02		3600	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

HIBBING (FAC 1) AND ORR (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V129					(US)
IAP	RNAV (GPS) RWY 31			KCQM	COOK	MN (US)
IAP	NDB RWY 13			KORB	ORR	MN (US)
IAP	RNAV (GPS) RWY 8			K12D	TOWER	MN (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9

DATE OF REVISION: 02/09/2012

REASON FOR REVISION:

FAC 1 & 2: ADDED DIST FROM FAC.

DELETED FAC 3.

REMOVED HOLDING PATTERN.

REMOVED REMARK: "HOLDING LIMITED TO ESTABLISHED PATTERN".

UPDATED FIX USE.

ADDED REMARK: "HIBBING (FAC 1) AND ORR (FAC 2) USED TO ESTABLISH FIX COORDINATES".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 07/05/2011

OFFICE: AJV-353

NAME: JOSE ALFONSO (BRIAN BICKETT)

APPROVED BY:

DATE: 01/10/2012

OFFICE: AJV-353

NAME: LARRY STROUT

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY:
OTHER: