Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: AWSEG	Date Open: 03/02/2012	Task #: 2012030225546301001	Request #: 20120302255463
Procedure: V 170 DEVILS LAKE (DVL) VOR/DME ND TO JAMESTOWN (JMS) VOR/DME ND AMDT Y		Airport ID: ND	Airport:		Reimbursable #:
City:	ST: ND	GPS #:		Estimated Chart Date: 03/07/2013	FICO #:
Fac ID:	Fac. Type: Proc R	Specialist: STEVE VANCAMP(Contractor)			

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	08/28/2012	09/07/2012	TOBY HUFF	DOG LEG ADDITION PROJECT
QA:	09/07/2012	10/17/2012	ERIC GREEN	
Liaison:	10/17/2012		Spurlin	

p1

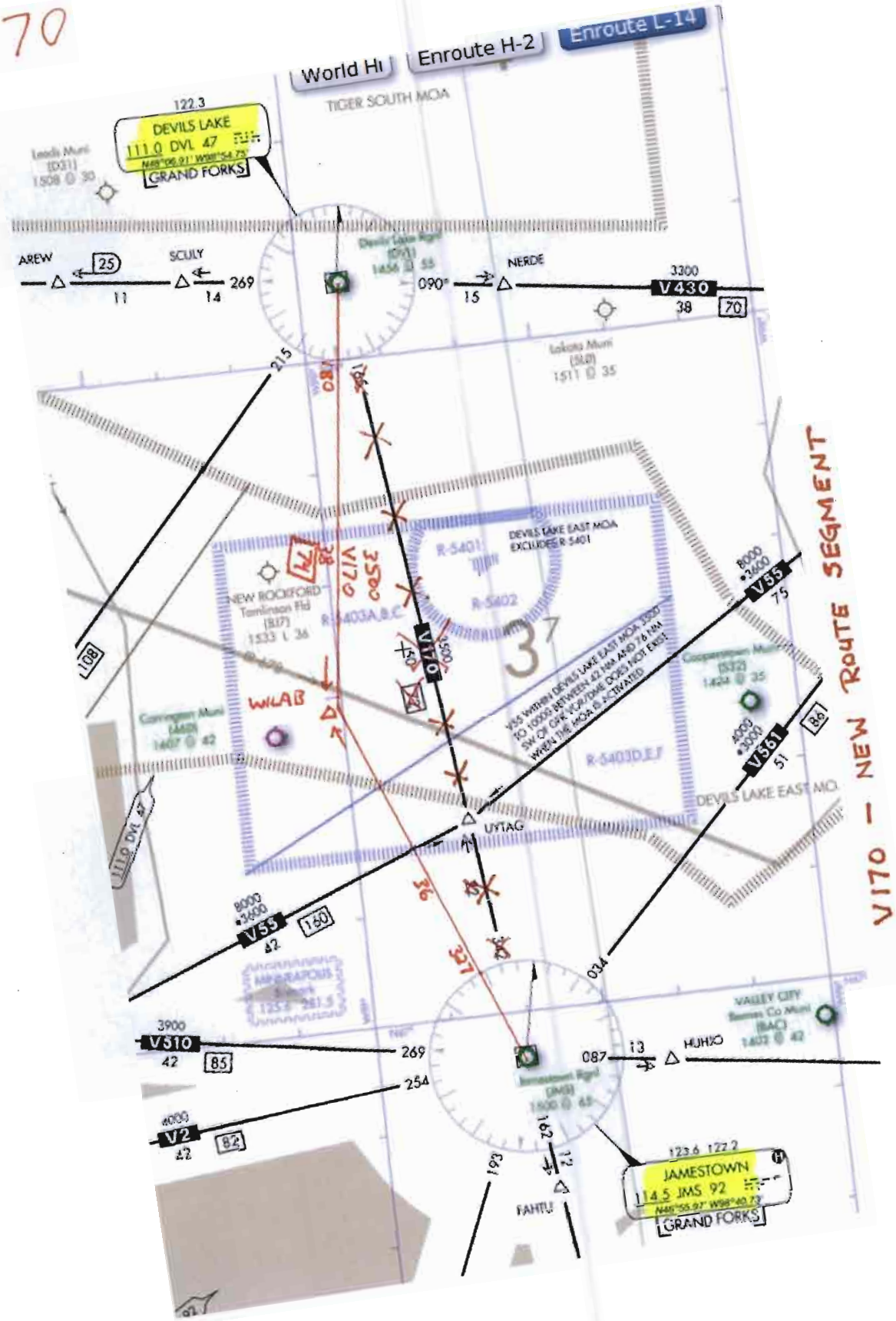
Procedure Comments: ENROUTE **Remark Type:** INFORMATION

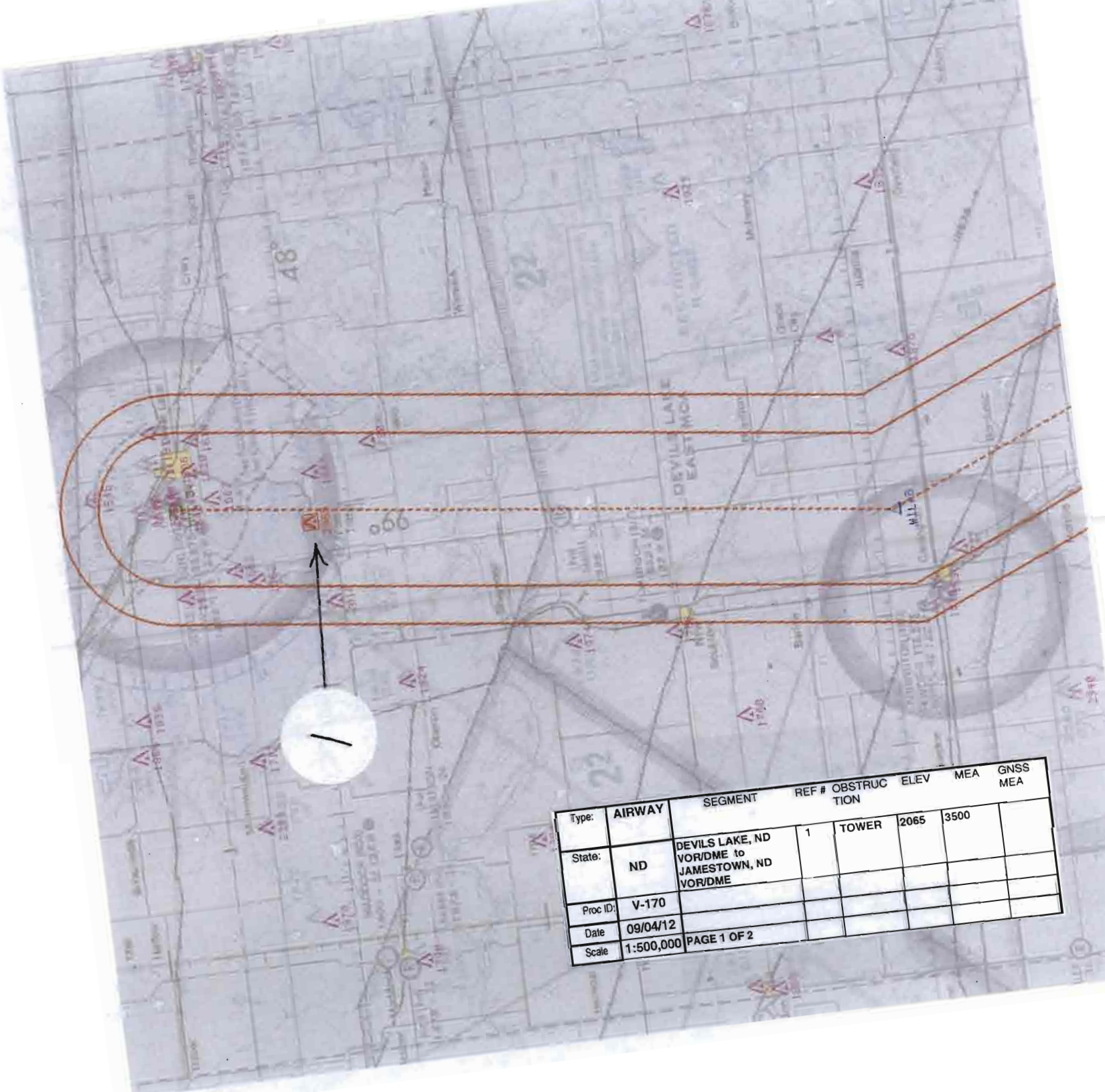
AIRWAY: V 170 DEVILS LAKE (DVL) VDME ND - JAMESTOWN (JMS) VDME ND ENROUTE-YES FC: 1.8.13 PUB: 3.7.13

ATTACHED FORMS: 8260-16; 8260-2(S): WILAB-INT, ORIG; (INFO ONLY) DEVILS LAKE (DVL) VDME, REV 4; JAMESTOWN (JMS) VDME, REV 9.

CONTACT: RAYMOND K. NUSSEAR, ENROUTE MANAGER / TOBY HUFF, ENROUTE LEAD; 301.427.4826, 405.954.9954.

V170


World Hi
Enroute H-2
Enroute L-14
TIGER SOUTH MOA
122.3
DEVILS LAKE
111.0 DVL 47
GRAND FORKS
AREW
SCULY
NERDE
V430
V170
V55
V561
V310
V2
DEVILS LAKE EAST MOA
EXCLUDES R-5401
R-5401
R-5402
R-5403A,B,C
R-5403D,E,F
NEW ROCKFORD
WILAB
UYTAG
HUHIO
FAHTU
JAMESTOWN
114.5 JMS 92
GRAND FORKS
VALLEY CITY
V170 — NEW ROUTE SEGMENT



Type:	AIRWAY	SEGMENT	REF #	OBSTRUCTION	ELEV	MEA	GNSS MEA
State:	ND	DEVILS LAKE, ND VOR/DME to JAMESTOWN, ND VOR/DME	1	TOWER	2065	3500	
Proc ID:	V-170						
Date	09/04/12						
Scale	1:500,000	PAGE 1 OF 2					

294000 252000 210000 168000 126000 84000 42000

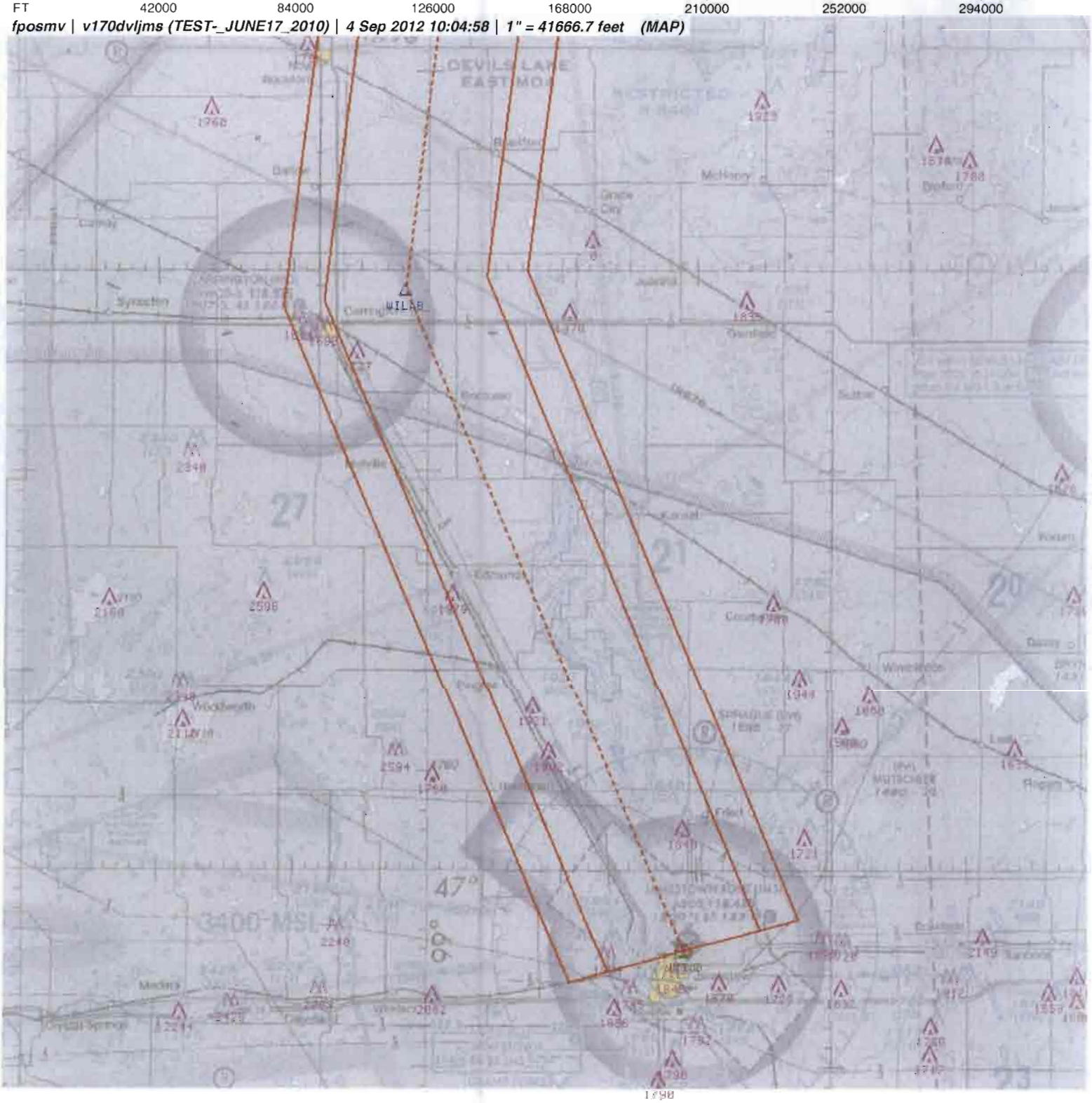
42 35 28 21 14 7

nv | v170dvljms (TEST-_JUNE17_2010) | 4 Sep 2012 10:04:41 | 1" = 41666.7 feet (MAP)

NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

fposmv | v170dvljms (TEST-_JUNE17_2010) | 4 Sep 2012 10:04:58 | 1" = 41666.7 feet (MAP)



Type:	AIRWAY	SEGMENT	REF #	OBSTRUCTION	ELEV	MEA	GNSS MEA
State:	ND	DEVILS LAKE, ND VOR/DME to JAMESTOWN, ND VOR/DME					
Proc ID:	V-170						
Date	09/04/12						
Scale	1:500,000	PAGE 2 OF 2					

TRANSMITTAL OF AIRWAYS / ROUTE DATA

AIRWAY NO. OR ROUTE	FROM / TO	ROUTINE OR DOCKET NO.	CONTROLLING @ TERRAIN/OBSTRUCTION AND COORDINATES	MRA / MOCA	MAA / MEA	GNSS MEA	CHANGE OVER POINT	FIX MRA/MCA	REMARKS	FLIGHT INSPECTION DATES
V170	DEVILS LAKE, ND VOR/DME JAMESTOWN, ND VOR/DME	12-AGL-4	TOWER 2065 475928.00N-0985658.00W TERRAIN 1756 @ 475921.00N-0985636.00W	3500 -3100-	17500 3500		DL FARRM		NEW SEGMENT WITH DOG-LEG	PENDING
									12/20/12: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 12/07/12.	
									1. FIX NAMED WILAB, CHANGED TO FARRM.	
										04 B APPROVED

DATE	OFFICE	TITLE	SIGNATURE
	AJV-312	MANAGER	RAY NUSSEAR

RADIO FIX AND HOLDING DATA RECORD

NAME: FARRM **STATE:** ND **COUNTRY:** US

LATITUDE/LONGITUDE: 472914.17N/0990134.50W **TYPE:** DME

AIRSPACE DOCKET: 12-AGL-4 **FIX TYPE OF ACTION:** ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	DEVILS LAKE	DVL	VOR/DME	L	180.00	187.00	37.98	37.98		3500	17500
2	JAMESTOWN	JMS	VOR/DME	L	327.00	337.00	36.19	36.19		3500	17500

REMARKS:
DEVILS LAKE (FAC 1) AND JAMESTOWN (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V170	1, 2				(US)

REQUIRED CHARTING: SECTIONAL, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 03/07/2013

REASON FOR REVISION:
ESTABLISH DOG LEG AROUND R-5402.
REVISED FIX NAME FROM WILAB TO FARRM.

12/20/12 THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 12/07/12.
1. FIX NAME CHANGED FROM WILAB TO FARRM.

DEVELOPED BY: **DATE:** 12/19/2012 **OFFICE:** AJV-312 **NAME:** TOBY HUFF (ADRIAN BLAND)

APPROVED BY: **DATE:** **OFFICE:** AJV-312 **NAME:** RAY NUSSEAR

SIGNATURE:

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

04
B
APPROVED

RADIO FIX AND HOLDING DATA RECORD

NAME: DEVILS LAKE VOR/DME **STATE:** ND **COUNTRY:** US

LATITUDE/LONGITUDE: 480654.78N/0985445.03W **TYPE:** WP

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	DIST FROM FAC FEET	MRA	MAA
1	DEVILS LAKE	DVL	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	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NW	DVL	VOR/DME	321.00	141.00	R	1		3000	10000	4	9
2	SE	DVL	VOR/DME	123.00	303.00	R	1		3000	10000	4	9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	481221.00N/0985830.00W	1769	4E
2	200	AAO	480857.00N/0984751.00W	1802	4E

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.
HOLDING NOT AUTHORIZED ABOVE 5000 FOR HOLDING PATTERN 1 WHEN TIGER SOUTH MOA IS ACTIVE.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V169					(US)
EN ROUTE	V170			KDVL	DEVILS LAKE	ND (US)
EN ROUTE	V430			KDVL	DEVILS LAKE	ND (US)
IAP	ILS OR LOC/DME RWY 31		1	KDVL	DEVILS LAKE	ND (US)
IAP	RNAV (GPS) RWY 21			KDVL	DEVILS LAKE	ND (US)
IAP	VOR RWY 13		1	KDVL	DEVILS LAKE	ND (US)
IAP	VOR RWY 21		1	KDVL	DEVILS LAKE	ND (US)
IAP	VOR RWY 3		2	KDVL	DEVILS LAKE	ND (US)
IAP	VOR RWY 31		2	KDVL	DEVILS LAKE	ND (US)
IAP	RNAV (GPS) RWY 14			KD55	LANGDON	ND (US)
IAP	RNAV (GPS) RWY 32			KD55	LANGDON	ND (US)
IAP	GPS RWY 30			KRUG	RUGBY	ND (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 **DATE OF REVISION:** 06/30/2011

REASON FOR REVISION:
UPDATED FIX USE.
UPDATED HOLDING OBSTACLES.

DEVELOPED BY: **DATE:** 12/14/2010 **OFFICE:** AVN-120 **NAME:** ROY BARNETT

APPROVED BY: **DATE:** 03/22/2011 **OFFICE:** AVN-120 **NAME:** GREGORY YAMAMOTO

SIGNATURE:

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

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: JAMESTOWN VOR/DME **STATE:** ND **COUNTRY:** US

LATITUDE/LONGITUDE: 465558.34N/0984043.57W **TYPE:**

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	DIST FROM FAC FEET	MRA	MAA
1	JAMESTOWN	JMS	VOR/DME	L							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	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SE	JMS	VOR/DME	127.00	307.00	R	1		3000	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (35-0761)	465341.00N/0982859.00W	1832	4D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:
PRECIPITOUS EVALUATION COMPLETED

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V2-510~ V170~ V561	1				(US)
IAP	GPS RWY 31	1		K46D	CARRINGTON	ND (US)
IAP	GPS RWY 31	1		K46D	CARRINGTON	ND (US)
IAP	GPS RWY 13	1		KS32	COOPERSTOWN	ND (US)
IAP	ILS OR LOC RWY 31	1		KJMS	JAMESTOWN	ND (US)
IAP	LOC/DME BC RWY 13	1	1	KJMS	JAMESTOWN	ND (US)
IAP	NDB RWY 31	1		KJMS	JAMESTOWN	ND (US)
IAP	RNAV (GPS) RWY 13	1		KJMS	JAMESTOWN	ND (US)
IAP	RNAV (GPS) RWY 22	1		KJMS	JAMESTOWN	ND (US)
IAP	RNAV (GPS) RWY 4	1		KJMS	JAMESTOWN	ND (US)
IAP	VOR RWY 13	1	1	KJMS	JAMESTOWN	ND (US)
IAP	VOR RWY 31	1	1	KJMS	JAMESTOWN	ND (US)
IAP	NDB RWY 31	1		KBAC	VALLEY CITY	ND (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9 **DATE OF REVISION:** 08/27/2009

REASON FOR REVISION:
ADDED PRECIPITOUS EVALUATION NOTE
UPDATED FIX USE

DEVELOPED BY: **DATE:** 05/08/2009 **OFFICE:** AVN-130 **NAME:** FRED BALLARD

APPROVED BY: **DATE:** 06/29/2009 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: FTW
ARTCC: ZMP
ATC FACILITY:
OTHER:

INFO ONLY