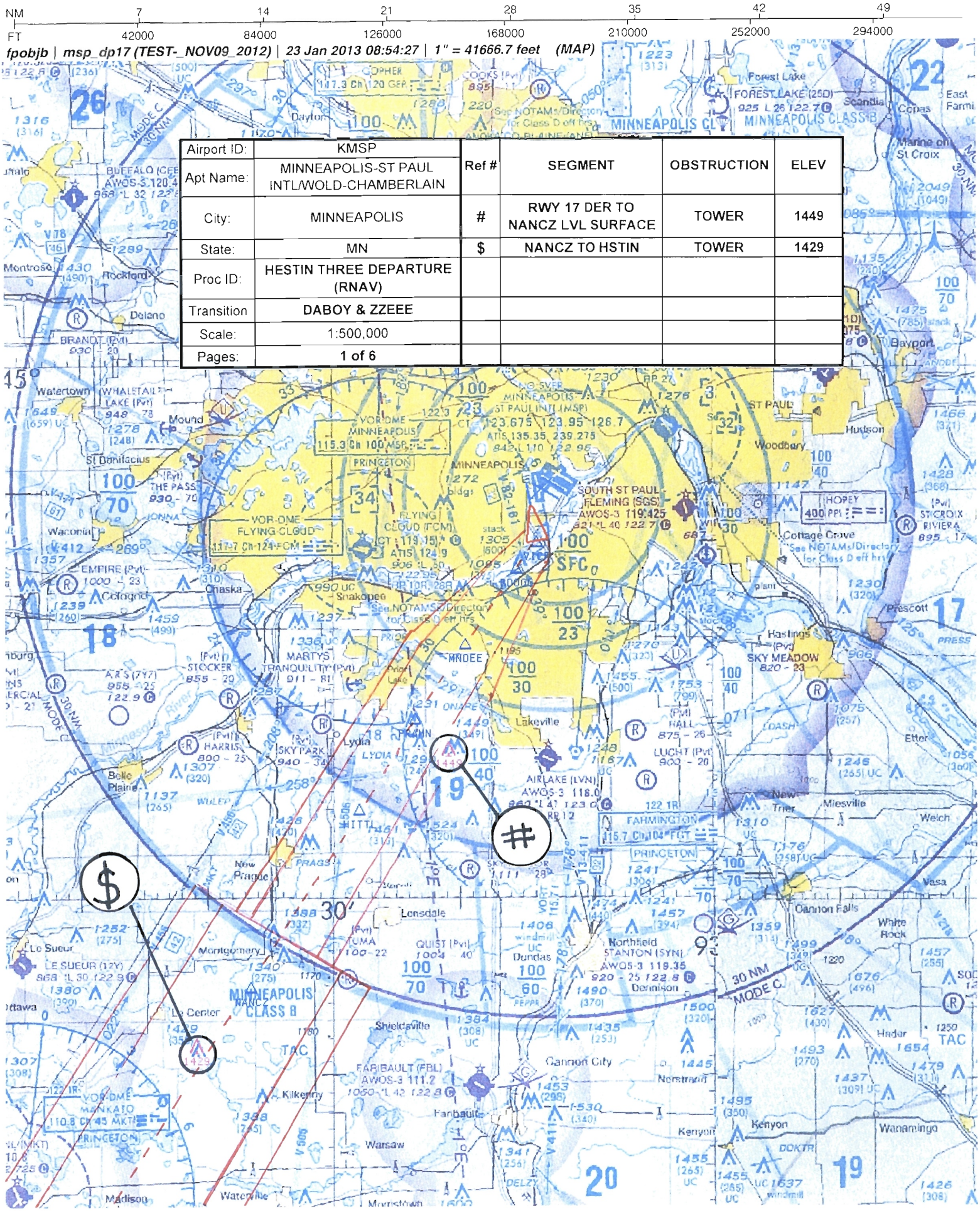
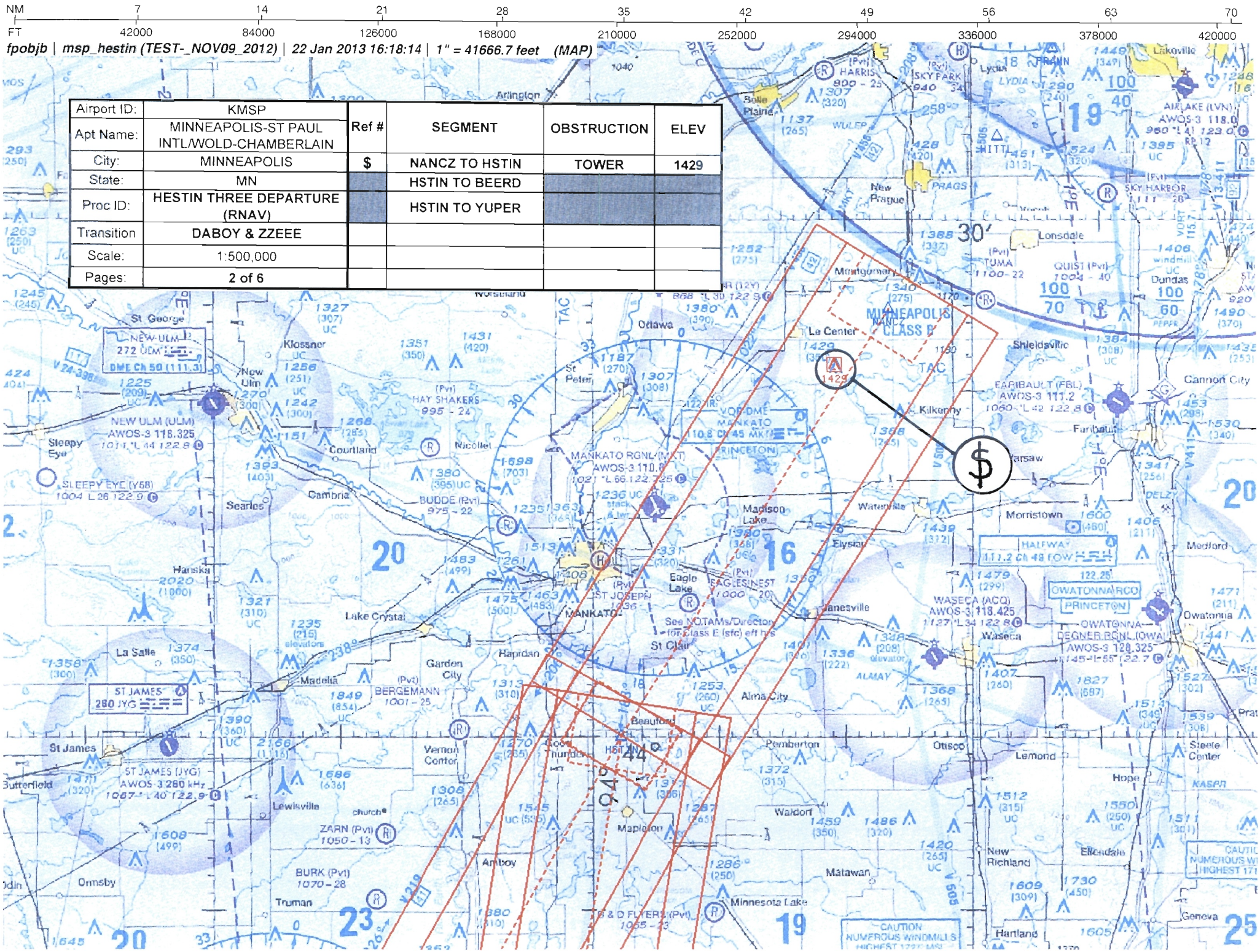
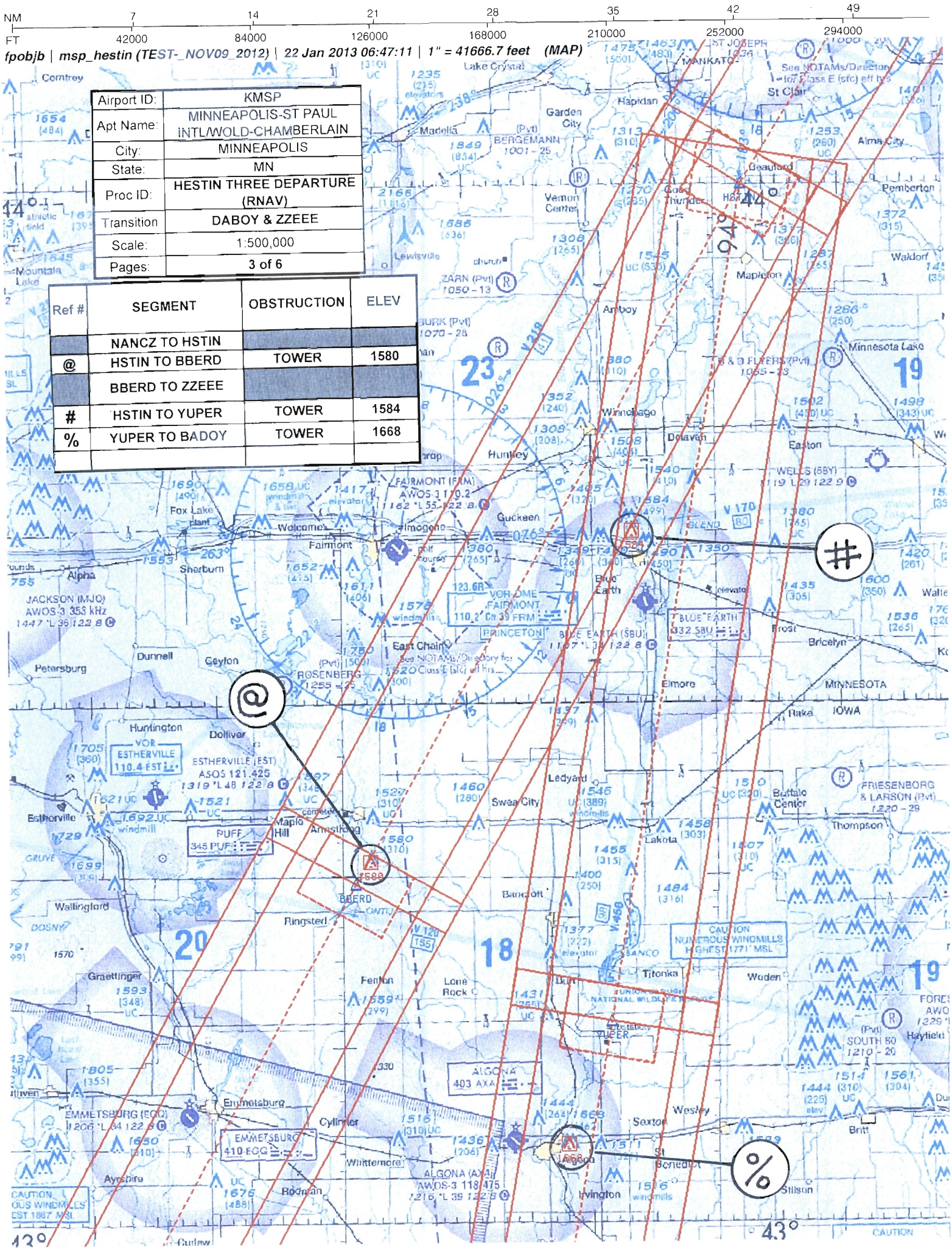
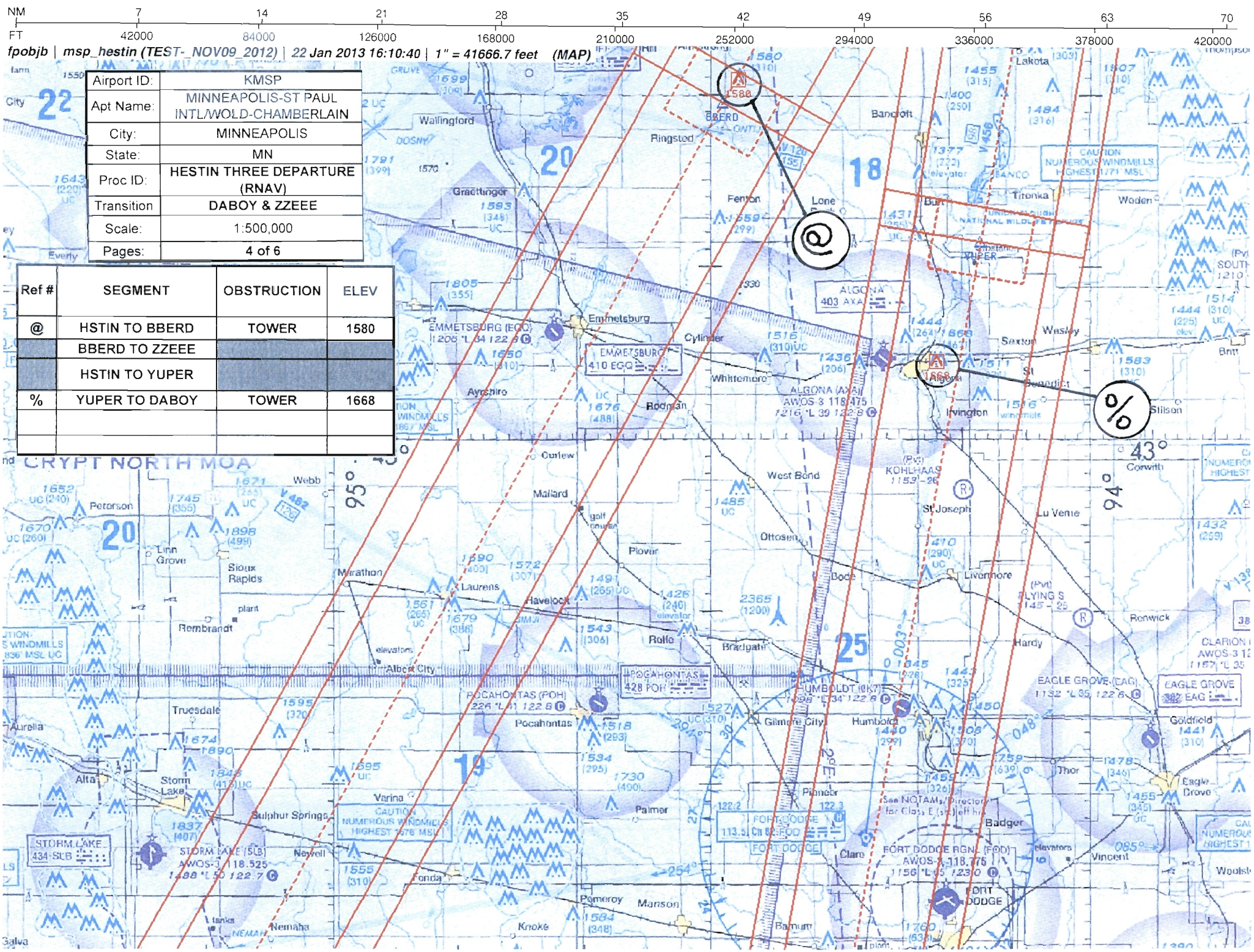


Airport ID:	KMSP	Ref #	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN				
City:	MINNEAPOLIS	#	RWY 17 DER TO NANCZ LVL SURFACE	TOWER	1449
State:	MN	$	NANCZ TO HSTIN	TOWER	1429
Proc ID:	HESTIN THREE DEPARTURE (RNAV)				
Transition	DABOY & ZZEEE				
Scale:	1:500,000				
Pages:	1 of 6				


NM 7 14 21 28 35 42 49 56 63 70
FT 42000 84000 126000 168000 210000 252000 294000 336000 378000 420000
fpobjb | msp_hestin (TEST-_NOV09_2012) | 22 Jan 2013 16:18:14 | 1" = 41666.7 feet (MAP)
Airport ID: KMSP
Apt Name: MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN
City: MINNEAPOLIS
State: MN
Proc ID: HESTIN THREE DEPARTURE (RNAV)
Transition: DABOY & ZZEEE
Scale: 1:500,000
Pages: 2 of 6
Ref # | SEGMENT | OBSTRUCTION | ELEV
$ | NANCZ TO HSTIN | TOWER | 1429
HSTIN TO BEERD
HSTIN TO YUPER
MINNEAPOLIS CLASS B
1429
$
Arlington
Belle Plaine
New Prague
Lonsdale
Montgomery
Le Center
Kilkenny
Shieldsville
Faribault
Cannon City
Dundas
Northfield
St George
NEW ULM 272 UDM DME Ch 50 (111.3)
Klossner
New Ulm
St Peter
Ottawa
Sleepy Eye
NEW ULM (ULM) AWOS-3 118.325
SLEEPY EYE (Y58)
Courtland
Nicollet
Cambria
Searles
Hanska
Lake Crystal
MANKATO RGNL (MKT) AWOS-3 119.0
VOR/DME MANKATO 110.8 Ch 45 MKT
PRINCETON
BUDDE (Pvt) 975 - 22
HAY SHAKERS 995 - 24
Madison Lake
Eagle Lake
EAGLESNEST 1000
ST JOSEPH
MANKATO
See NOTAMs/Director (for Class E (sfc) eff hrs
St Clair
Waterville
Elysian
Janesville
Waseca
WASECA (ACQ) AWOS-3 118.425
OWATONNA DEGNER RGNL (OWA) AWOS-3 120.325
Owatonna
Morristown
Medford
HALFWAY
OWATONNA RCO
PRINCETON
La Salle
Madelia
Garden City
Rapidan
Alma City
ST JAMES 280 JYG
BERGEMANN 1001 - 25
ALMAY
Beaufort
Pemberton
Otisco
Lemond
Steele Center
Hope
KASER
St James
ST JAMES (JYG) AWOS-3 280 kHz
Butterfield
Lewisville
church
ZARN (Pvt) 1050 - 13
Vernon Center
Mapleton
Waldorf
New Richland
Ellendale
Amboy
BURK (Pvt) 1070 - 28
Truman
Ormsby
Matawan
Minnesota Lake
Hartland
Geneva
CAUTION NUMEROUS WINDMILLS HIGHEST 1771 MSL
CAUTION NUMEROUS WINDMILLS HIGHEST 171
HSTIN
044
094
19
20
16
23
25
30
44


NM 7 14 21 28 35 42 49
FT 42000 84000 126000 168000 210000 252000 294000
fpobjb | msp_hestin (TEST-_NOV09_2012) | 22 Jan 2013 06:47:11 | 1" = 41666.7 feet (MAP)
Airport ID: KMSP
Apt Name: MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN
City: MINNEAPOLIS
State: MN
Proc ID: HESTIN THREE DEPARTURE (RNAV)
Transition: DABOY & ZZEEE
Scale: 1:500,000
Pages: 3 of 6
Ref # | SEGMENT | OBSTRUCTION | ELEV
NANCZ TO HSTIN
@ | HSTIN TO BBERD | TOWER | 1580
BBERD TO ZZEEE
| HSTIN TO YUPER | TOWER | 1584
% | YUPER TO BADOY | TOWER | 1668
@
#
%
BBERD
YUPER
FAIRMONT (FRM)
JACKSON (MJO)
ESTHERVILLE (EST)
EMMETSBURG (EGQ)
ALGONA (AXA)
BLUE EARTH (SBU)
PRINCETON
ROSENBERG
Comfrey
Lake Crystal
Mankato
St Clair
Hanlan
Garden City
Madelia
Bergemann
Vernon Center
Lewisville
Mountain Lake
Zarn (Pvt)
Amboy
Minnesota Lake
Winnebago
Delavan
Easton
Huntley
Fox Lake
Welcome
Fairmont
Sherburn
Alpha
Dunnell
Petersburg
Ceylon
Guckeen
Elmogene
East Chain
Blue Earth
Frost
Bricelyn
Elmore
Minnesota
Iowa
Huntington
Dolliver
Estherville
Wallingford
Graettinger
Maple Hill
Armstrong
Ringsted
Ledyard
Swea City
Bancroft
Lakota
Buffalo Center
Thompson
Titonka
Woden
Fenton
Lone Rock
Emmetsburg
Cylinder
Whittemore
Ayrshire
Rodman
Curlew
Wesley
Sexton
Britt
Irvington
Bonedale
Stilson
Hayfield
Waldorf
Pemberton
Mapleton
Alma City
Beaufield
Cobb Thunder
Janesville
Waseca
Owatonna
Blooming Prairie
Albert Lea
Austin
Rose Creek
Lyle
Taopi
Adams
Leroy
Brownsdale
Grand Meadow
Le Roy
Spring Valley
Chatfield
Preston
Fountain
Harmony
Caledonia
Houston
Hokah
Rushford
La Crescent
Winona
Lanesboro
Peterson
Fillmore
Mabel
Canton
Wykoff
Spring Grove
Hesper
Decorah
Ossian
Cresco
Lime Springs
Calmar
Protivin
Chester
Waukon
Postville
Harpers Ferry
Lansing
New Albin
Ridgeway
Luana
Monona
Clermont
Elkader
Strawberry Point
Edgewood
Colesburg
Garnavillo
Guttenberg
Clayton
Farmersburg
Littleport
Giard
Elkport
Volga
Fayette
Oelwein
Arlington
Hawkeye
Fairbank
Jesup
Independence
Aurora
Brandon
Quasqueton
Buchanan
Winthrop
Hazleton
Oneida
Dyersville
Epworth
Farley
Dubuque
Asbury
Peosta
Cascade
Sageville
Key West
Zwingle
Bernard
Worthington
Kinsley
Jackson
Heron Lake
Okabena
Lakefield
Wilder
Round Lake
Brewster
Ellsworth
Bigelow
Hardwick
Rushmore
Org
Adrian
Beaver Creek
Hills
Luverne
Magnolia
Hardwick
Edgerton
Jasper
Pipestone
Ihlen
Holland
Steen
Hatfield
Woodstock
Tyler
Lake Benton
Ivanhoe
Minneota
Cottonwood
Lamberton
Sanborn
Walnut Grove
Redwood Falls
Morgan
Sleepy Eye
New Ulm
Springfield
Comfrey
Wabasso
Belview
Granite Falls
Montevideo
Dawson
Madison
Watertown
Clear Lake
Milbank
Big Stone City
Ortonville
Graceville
Browns Valley
Wheaton
Herman
Hoffman
Elbow Lake
Fergus Falls
Pelican Rapids
Detroit Lakes
Frazee
Perham
Wadena
Staples
Motley
Brainerd
Baxter
Crosby
Ironton
Deerwood
Aitkin
Cuyuna
Mille Lacs
Onamia
Isle
Princeton
Milaca
Cambridge
Braham
Mora
Pine City
Hinckley
Sandstone
Rock Creek
Askov
Sturgeon Lake
Moose Lake
Barnum
Carlton
Cloquet
Esko
Duluth
Proctor
Hermantown
Superior
Gordon
Solon Springs
Poplar
Brule
Iron River
Hurley
Ashland
Washburn
Bayfield
Cornucopia
Port Wing
Herbster
Red Cliff
Bark River
Mellen
Glidden
Park Falls
Phillips
Prentice
Ogema
Tomahawk
Rhinelander
Eagle River
Three Lakes
Crandon
Laona
Wabeno
Florence
Iron Mountain
Kingsford
Quinnesec
Norway
Vulcan
Powers
Menominee
Marinette
Peshtigo
Oconto
Oconto Falls
Suring
Gillett
Pulaski
Green Bay
De Pere
Wrightstown
Kaukauna
Appleton
Kimberly
Little Chute
Combined Locks
Menasha
Neenah
Oshkosh
Omro
Winneconne
Fremont
Weyauwega
New London
Clintonville
Bear Creek
Shiocton
Seymour
Black Creek
Hortonville
Greenville
Kaukauna
Wrightstown
Denmark
Green Bay
Howard
Pulaski
Suamico
Oneida
Seymour
Shawano
Gresham
Wittenberg
Birnamwood
Antigo
Langlade
Elcho
White Lake
Mattoon
Wausau
Schofield
Weston
Rothschild
Mosinee
Merrill
Tomahawk
Rhinelander
Eagle River
Three Lakes
Crandon
Laona
Wabeno
Florence
Iron Mountain
Kingsford
Quinnesec
Norway
Vulcan
Powers
Menominee
Marinette
Peshtigo
Oconto
Oconto Falls
Suring
Gillett
Pulaski
Green Bay
De Pere
Wrightstown
Kaukauna
Appleton
Kimberly
Little Chute
Combined Locks
Menasha
Neenah
Oshkosh
Omro
Winneconne
Fremont
Weyauwega
New London
Clintonville
Bear Creek
Shiocton
Seymour
Black Creek
Hortonville
Greenville
Kaukauna
Wrightstown
Denmark
Green Bay
Howard
Pulaski
Suamico
Oneida
Seymour
Shawano
Gresham
Wittenberg
Birnamwood
Antigo
Langlade
Elcho
White Lake
Mattoon
Wausau
Schofield
Weston
Rothschild
Mosinee
Merrill



Airport ID:	KMSP
Apt Name:	MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN
City:	MINNEAPOLIS
State:	MN
Proc ID:	HESTIN THREE DEPARTURE (RNAV)
Transition	DABOY & ZZEEE
Scale:	1:500,000
Pages:	4 of 6

Ref #	SEGMENT	OBSTRUCTION	ELEV
@	HSTIN TO BBERD	TOWER	1580
	BBERD TO ZZEEE		
	HSTIN TO YUPER		
%	YUPER TO DABOY	TOWER	1668

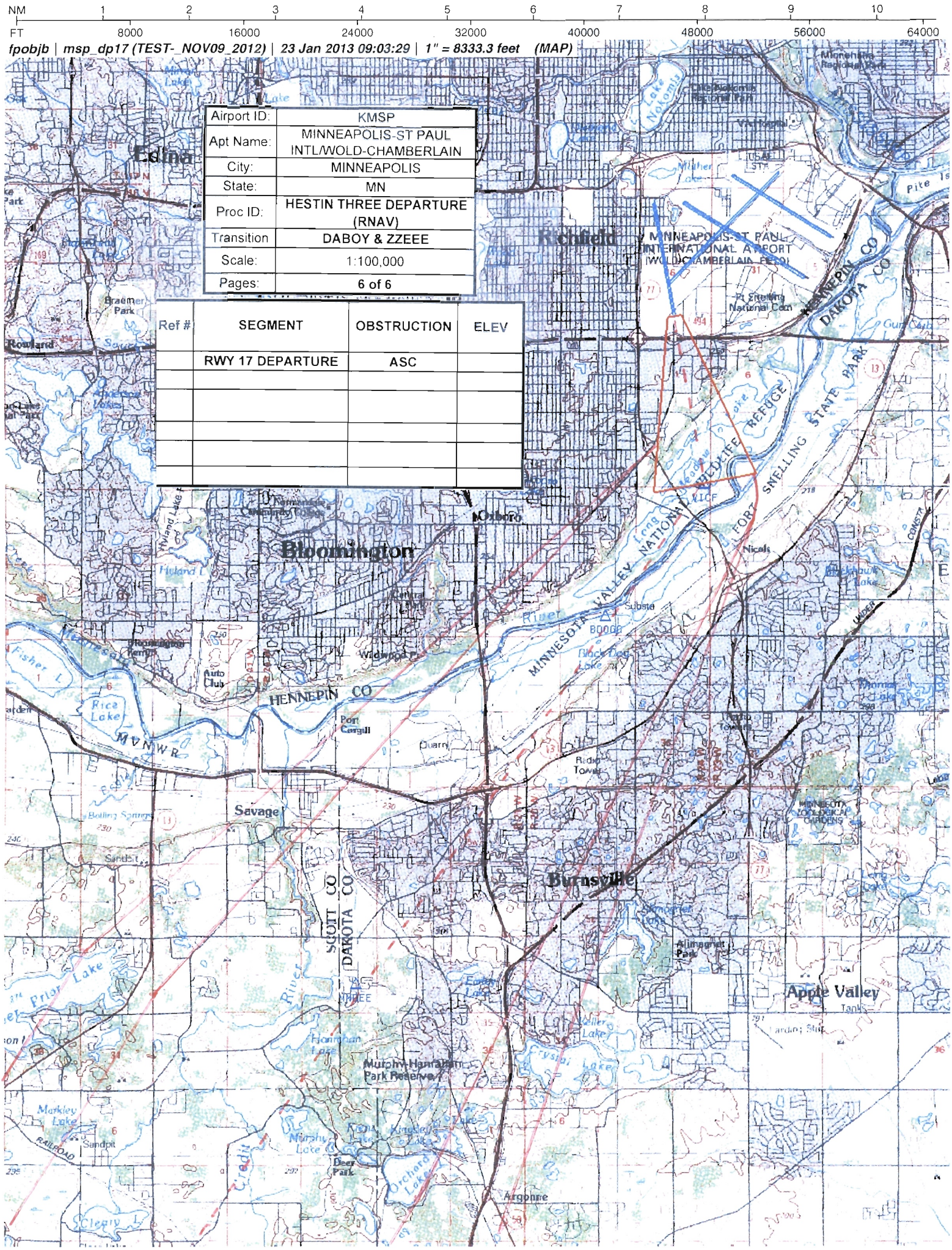
NM 7 14 21 28 35 42 49 56 63 70

FT 42000 84000 126000 168000 210000 252000 294000 336000 378000 420000

fpobjb | msp_hestin (TEST-_NOV09_2012) | 22 Jan 2013 16:09:43 | 1" = 41666.7 feet (MAP)

Airport ID:	KMSP
Apt Name:	MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN
City:	MINNEAPOLIS
State:	MN
Proc ID:	HESTIN THREE DEPARTURE (RNAV)
Transition	DABOY & ZZEEE
Scale:	1:500,000
Pages:	5 of 6

Ref #	SEGMENT	OBSTRUCTION	ELEV
*	BBERD TO ZZEEE	WINDMLL	1973
	YUPER TO DABOY		


NM 1 2 3 4 5 6 7 8 9 10
FT 8000 16000 24000 32000 40000 48000 56000 64000
fpobjb | msp_dp17 (TEST-_NOV09_2012) | 23 Jan 2013 09:03:29 | 1" = 8333.3 feet (MAP)
Airport ID: KMSP
Apt Name: MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN
City: MINNEAPOLIS
State: MN
Proc ID: HESTIN THREE DEPARTURE (RNAV)
Transition DABOY & ZZEEE
Scale: 1:100,000
Pages: 6 of 6
Ref # | SEGMENT | OBSTRUCTION | ELEV
RWY 17 DEPARTURE | ASC
Edina
Richfield
Bloomington
Savage
Burnsville
Apple Valley
Eagan
Rosland
Braemer Park
Oxboro
Nicols
Subsite
Rice Lake
Prior Lake
Murphy-Hanrahan Park Reserve
Argonne
Deer Park
Sandpit
Quarry
Auto Club
Pond Cargill
Radio Tower
Tank
Minnesota Zoological Gardens
Minnehaha Regional Park
Lake Nokomis
Fort Snelling National Cem
MINNEAPOLIS-ST PAUL INTERNATIONAL AIRPORT (WOLD-CHAMBERLAIN FIELD)
Fort Snelling State Park
Minnesota River Valley National Wildlife Refuge
HENNEPIN CO
DAKOTA CO
SCOTT CO
MVMWR
Railroad