OBSTRUCTION DATA SHEET

ODS 5117
VERMILION COUNTY AIRPORT
DANVILLE, ILLINOIS

DIGITIZED FROM

OC 5117
SURVEYED SEPTEMBER 1991
7TH EDITION

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THE NATIONAL OCEAN SERVICE
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FOR THE FEDERAL AVIATION ADMINISTRATION

OBSTRUCTION DATA SHEET

The Obstruction Data Sheet (ODS) provides digital obstruction and runway data for use in aircraft arrival and departure planning. This information has been obtained using field survey and photogrammetric methods by the Photogrammetry Branch of the National Ocean Service in accordance with Federal Aviation Regulations Part 77 (FAR-77), "Objects Affecting Navigable Airspace" and FAA Nr. 405, "Specifications - Airport Obstruction Chart and Related Products."

The ODS is a derivative of the Airport Obstruction Chart (OC). The source OC is indicated on the ODS cover. All objects, both obstructing and nonobstructing, that carry an elevation on the OC are listed in the ODS. The ODS (and OC) depict a representation of objects that existed at the time of the OC field survey.

ODS information is arranged as follows:

1. Objects located in FAR-77 approach (including supplemental approaches if present) or primary areas are listed with the associated runway (reference runway). For example, all objects in the Runway 9R approach or primary are listed with Runway 9R. Distances to these objects are computed from both the physical end and threshold of Runway 9R. Objects in the Runway 27L approach or primary are listed with Runway 27L. (Objects in the common 9R/27L primary area are listed with both runways.)

2. All objects not included in "1" above are listed with the Airport Reference Point (ARP).

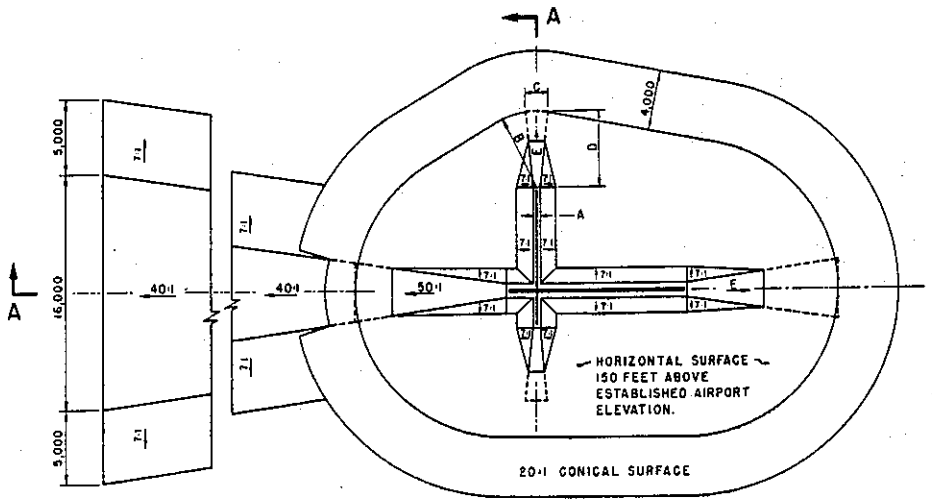
3. Runway configuration and runway lengths, widths, and elevations are presented on the ODS last page.

The FAR-77 imaginary approach surfaces for which the obstruction surveys were performed are coded in the ODS as follows (see footnote 2 on page 3):

A(V) ..... Utility runway - visual approach only
A(NP) .... Utility runway - nonprecision instrument approach
B(V) ..... Nonutility runway - visual approach only
C .... Nonutility runway - nonprecision instrument approach with visibility minimums greater than 3/4 mile
D .... Nonutility runway - nonprecision instrument approach with visibility minimums as low as 3/4 mile
PIR ..... Precision instrument runway
SUPLC ... Supplemental C underlying a B(V)

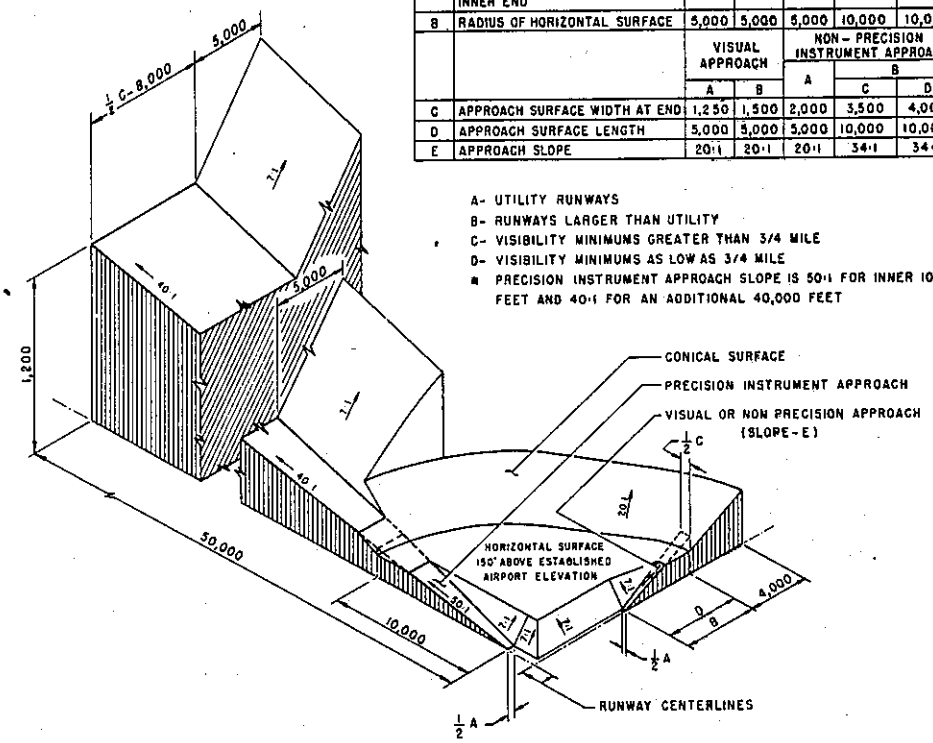
FAR-77 imaginary surface dimensions are defined on page 2 of this report.

Primary surface width is determined by the widest approach at the two approach/primary interfaces for that runway.



DIM	ITEM	DIMENSIONAL STANDARDS (FEET)					
		VISUAL RUNWAY		NON-PRECISION INSTRUMENT RUNWAY			PRECISION INSTRUMENT RUNWAY
		A	B	A	B C	B D	
A	WIDTH OF PRIMARY SURFACE AND APPROACH SURFACE WIDTH AT INNER END	250	500	500	500	1,000	1,000
B	RADIUS OF HORIZONTAL SURFACE	5,000	5,000	5,000	10,000	10,000	10,000
		VISUAL APPROACH		NON-PRECISION INSTRUMENT APPROACH			PRECISION INSTRUMENT APPROACH
		A	B	A	B C	B D	
C	APPROACH SURFACE WIDTH AT END	1,250	1,500	2,000	3,500	4,000	16,000
D	APPROACH SURFACE LENGTH	5,000	5,000	5,000	10,000	10,000	*
E	APPROACH SLOPE	20:1	20:1	20:1	34:1	34:1	*

A- UTILITY RUNWAYS
B- RUNWAYS LARGER THAN UTILITY
C- VISIBILITY MINIMUMS GREATER THAN 3/4 MILE
D- VISIBILITY MINIMUMS AS LOW AS 3/4 MILE
* PRECISION INSTRUMENT APPROACH SLOPE IS 50:1 FOR INNER 10,000 FEET AND 40:1 FOR AN ADDITIONAL 40,000 FEET



ISOMETRIC VIEW OF SECTION A-A

FAR-77 CIVIL AIRPORT
IMAGINARY SURFACES

ANNOTATION OF ODS DATA FORMAT

OC XXXX

AIRPORT ELEVATION XXXX

X[1] X[2] XXXX/XXXX[3] XXXXXX.XXX[4] XXXXXXX.XXX[4] XXXXXXX[5] XXXX/XXXX[6] XXXXXX.XXX[7] XXXXXXX.XXX[7]

OBJECT	LAT	LONG	A[8]	ELEV[9]	AGL[10]	HAR[11]	HAT[11]	HAA[11]	DEND[12]	DTHR[12]	DCLN[12]	PNTR[13]
XXXXXXXXXX	XXXXXX.XXX	XXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX
XXXXXXXXXX	XXXXXX.XXX	XXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX

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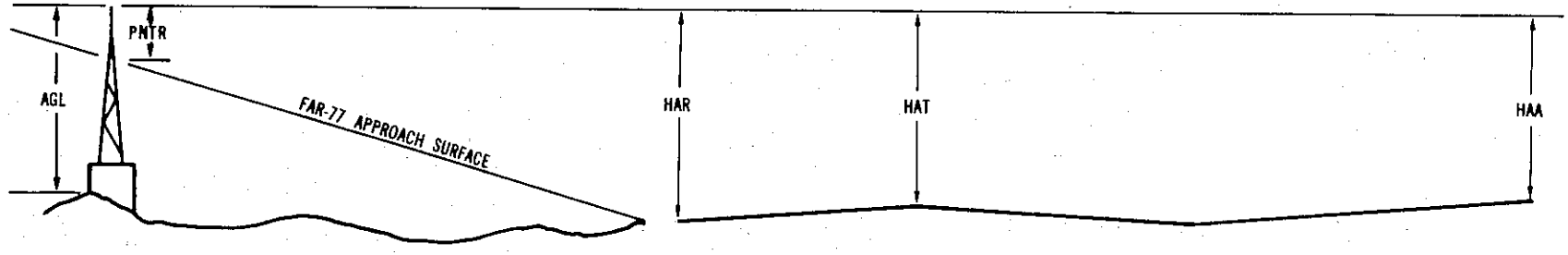
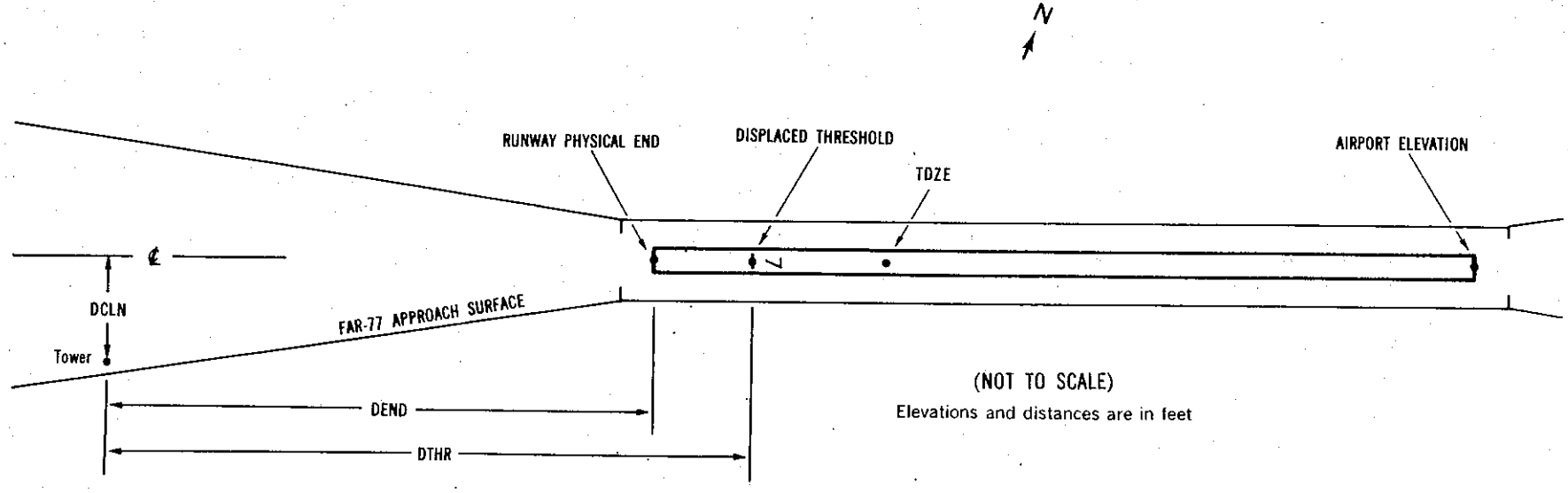




(NOT TO SCALE)

Elevations and distances are in feet

EXPLANATION OF FOOTNOTES

[1] Data block identifier. If a runway number is entered (reference runway), this data block will contain data pertinent to the reference runway and to objects in the FAR-77 approach and primary area of the reference runway. If ARP is entered, this data block will contain the ARP position and data relative to all objects not in an FAR-77 approach or primary area.

[2] For the reference runway, the lowest FAR-77 approach surface for which an obstruction survey was performed. (More than one surface may be surveyed.)

[3] Reference runway approach physical end elevation/touchdown zone elevation

[4] Latitude and longitude of reference runway approach physical end

[5] Reference runway geodetic azimuth reckoned clockwise from south

[6] Reference runway displaced threshold elevation/touchdown zone elevation

[7] Latitude and longitude of reference runway displaced threshold

[8] Accuracy Code:

Horizontal	Vertical
1 = 20	A = 2
2 = 40	B = 5
	C = 20

[9] Mean Sea Level (MSL) elevation at top of object. This value includes 15 feet added to noninterstate roads, 17 feet added to interstate roads, and 23 feet added to railroad tracks.

[10] Height above ground level (AGL). AGLs are provided only for those objects appearing on the OC that are equal to, or greater than, 200 feet AGL. AGL accuracy is ±10 feet.

[11] HAA - Height above airport
HAR - Height above reference runway approach physical end
HAT - Height above reference runway touchdown zone elevation

[12] DEND - Distance along reference runway centerline from point perpendicular to object to reference runway approach physical end
DTHR - Distance along reference runway centerline from point perpendicular to object to reference runway threshold
DCLN - Distance left (L) or right (R) of reference runway centerline as observed facing forward in a landing aircraft.

A negative value for DEND or DTHR indicates object is in primary area on roll-out side of zero distance point.

[13] PNTR - Penetration of indicated FAR-77 approach or primary surface (see footnote 2).

OC5117

AIRPORT ELEVATION 696

3 C 651/674 401137.500N 0873558.579W 2091155

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	401218.68	0873535.56	1A	701		50	27	5	-4509		474L	9
OL ON GLIDE SLOPE	401213.51	0873527.90	1A	741		90	67	45	-4343		300R	51
BUSH	401213.48	0873538.35	1A	693		42	19	-3	-3944		406L	8
GROUND	401207.32	0873530.38	1A	688		37	14	-8	-3702		438R	6
BUSH	401210.75	0873540.72	1A	691		40	17	-5	-3613		432L	10
OL ON LIGHTED WINDSOCK	401158.84	0873548.30	1A	685		34	11	-11	-2274		357L	19
ROD ON BUILDING	401127.43	0873601.40	1A	659		8	-15	-37	996		306R	-15
OL ON LOCALIZER	401128.88	0873604.85	1A	650		-1	-24	-46	998		1R	-24
ROAD (N)	401125.03	0873607.50	1A	656		5	-18	-40	1439		12R	-31
TREE	401122.53	0873618.97	1A	720		69	46	24	2094		642L	13
TREE	401113.74	0873606.84	1A	716		65	42	20	2411		613R	-1
TREE	401114.47	0873609.96	1A	715		64	41	19	2466		366R	-3

21 PIR 696/696 401224.073N 0873524.633W 0291217

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON LIGHTED WINDSOCK	401158.84	0873548.30	1A	685		-11	-11	-11	-3125		357R	19
BUSH	401210.75	0873540.72	1A	691		-5	-5	-5	-1786		432R	10
GROUND	401207.32	0873530.38	1A	688		-8	-8	-8	-1697		438L	6
BUSH	401213.48	0873538.35	1A	693		-3	-3	-3	-1455		406R	8
OL ON GLIDE SLOPE	401213.51	0873527.90	1A	741		45	45	45	-1056		300L	51
GROUND	401218.68	0873535.56	1A	701		5	5	5	-890		474R	9
TREE	401242.97	0873521.31	1A	728		32	32	32	1795		708R	1
POLE	401238.58	0873503.53	1A	733		37	37	37	2081		713L	-1
POLE	401244.38	0873503.54	1A	744		48	48	48	2592		426L	1
TREE	401245.59	0873458.25	1A	761		65	65	65	2899		725L	11
POLE	401253.09	0873503.53	1A	756		60	60	60	3362		4R	-3
TREE	401253.70	0873450.38	1A	780		84	84	84	3914		857L	10
TREE	401257.78	0873458.33	1A	773		77	77	77	3973		117L	2

OC5117

AIRPORT ELEVATION 696

16 A(V) 682/682 401210.910N 0873556.984W 3441214

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	401143.95	0873543.47	1A	679		-3	-3	-17	-2911		267L	20
TREE	401217.98	0873557.35	1A	717		35	35	21	697		168L	10
ROAD (N)	401217.81	0873559.58	1A	704		22	22	8	727		4R	-4
TREE	401217.90	0873600.24	1A	713		31	31	17	750		51R	4
TREE	401243.82	0873609.09	1A	812		130	130	116	3460		3L	-33

34 A(NP) 656/667 401132.881N 0873542.956W 1641223

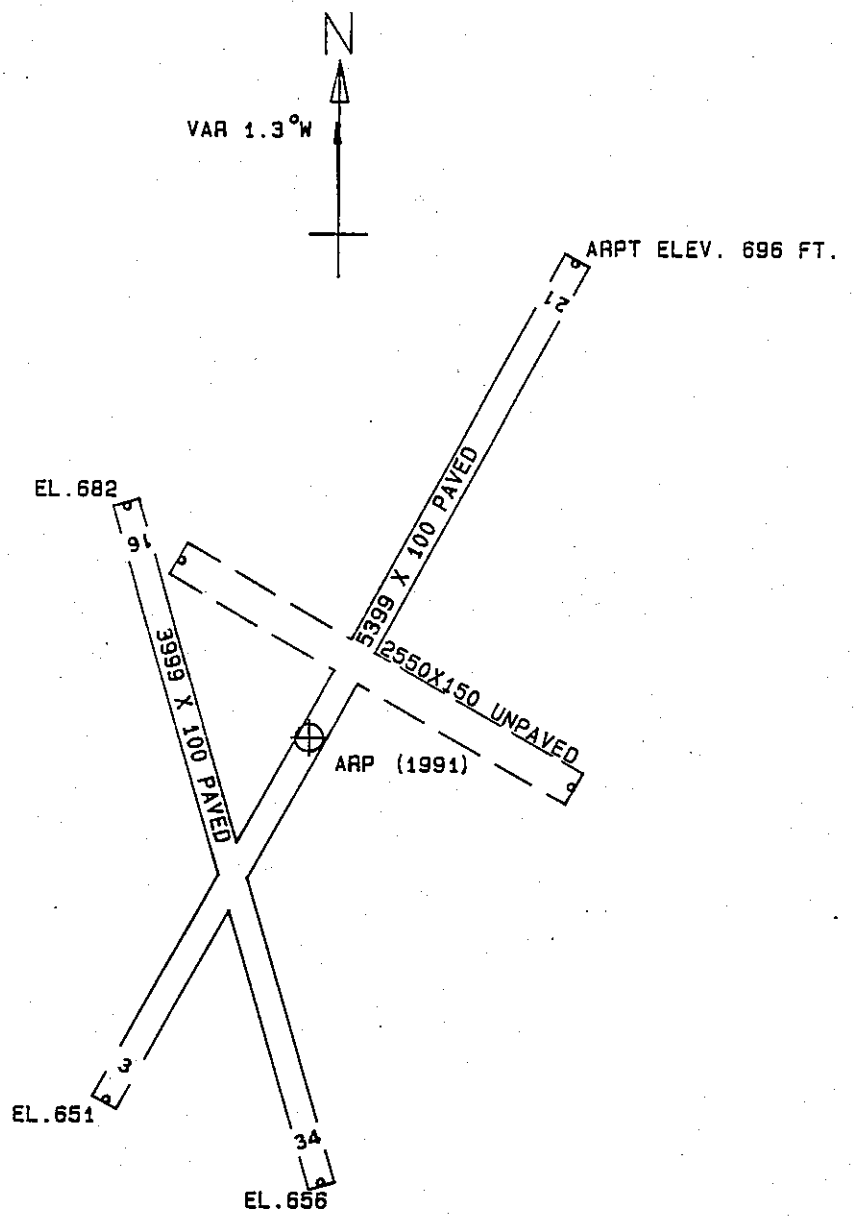
OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	401143.95	0873543.47	1A	679		23	12	-17	-1089		267R	20
TREE	401125.91	0873536.78	1A	685		29	18	-11	810		269R	-1
TREE	401115.30	0873540.59	1A	708		52	41	12	1762		307L	-26
TREE	401054.90	0873523.90	1A	789		133	122	93	4101		377R	-62

OC5117

AIRPORT ELEVATION 696

ARP 401157.956N 0873543.857W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
OL ON ANEMOMETER	401156.37	0873536.59	1A	692		-4	107 9	586
ANTENNA ON OL BUILDING	401154.33	0873601.71	1A	726		30	256 27	1433
OL ON AIRPORT BEACON	401159.12	0873604.45	1A	718		22	275 32	1603
OL ON HANGAR	401203.60	0873604.94	1A	706		10	290 33	1733
TREE	401140.17	0873541.39	1A	674		-22	175 13	1810
TREE	401218.09	0873553.71	1A	725		29	340 44	2176
TREE	401136.32	0873540.50	1A	667		-29	174 30	2205
TREE	401220.54	0873538.07	1A	755		59	12 25	2329
ANTENNA	401217.35	0873518.13	1A	733		37	46 47	2799
TREE	401218.37	0873518.23	1A	746		50	45 12	2868
POLE	401218.89	0873518.87	1A	724		28	43 46	2871
TREE	401230.09	0873611.09	1A	768		72	328 17	3878
TREE	401116.51	0873602.02	1A	728		32	199 53	4424
TREE	401242.81	0873523.65	1A	748		52	20 21	4802
TREE	401239.29	0873457.69	1A	762		66	41 52	5508
TREE	401312.85	0873508.19	1A	796		100	21 21	8068
ROD ON MICROWAVE MAST	401022.79	0873328.44	2C	918		222	133 47	14255



TOUCHDOWN ZONE RUNWAY	ELEVATION
3	674
21	696
16	682
34	667

VERMILION COUNTY AIRPORT

DANVILLE, ILLINOIS

(NOT TO SCALE)