

OBSTRUCTION DATA SHEET

**ODS 5388
WHITESIDE COUNTY AIRPORT - JOSEPH H. BITTORF FIELD
STERLING - ROCK FALLS, ILLINOIS**

DIGITIZED FROM

**OC 5388
SURVEYED 14 OCTOBER 1992
8TH EDITION**

**HORIZONTAL DATUM NAD83
VERTICAL DATUM NGVD29**



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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 No. 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 the OC depict a representation of objects that existed at the time of the OC field survey.

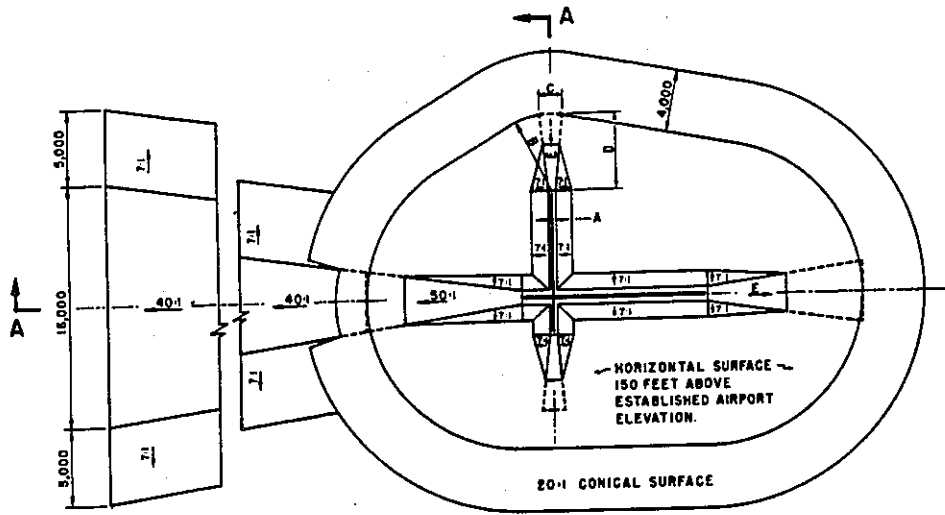
ODS information is arranged as follows:

1. Objects located in an FAR-77 approach or primary and listed with the associated runway (reference runway).
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:

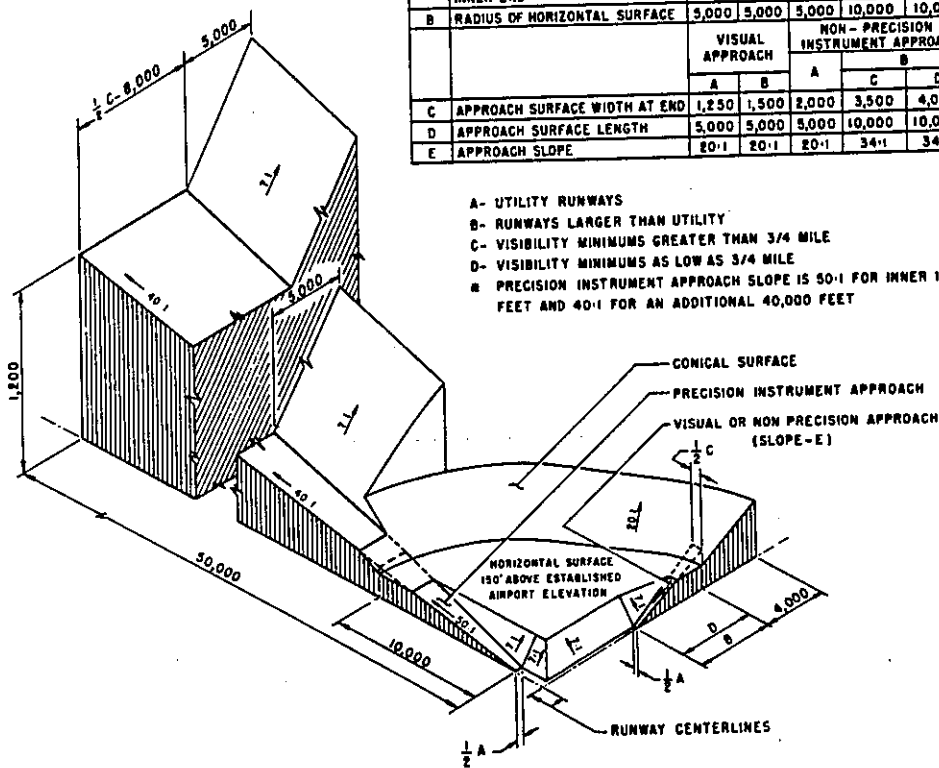
A(V) Utility runway - visual approach only
A(NP) Utility runway - nonprecision instrument approach
B(V) Nonutility runway - visual approach only
C Nonutility runway - nonprecision instrument
approach with visibility minimums greater than
3/4 mile
D Nonutility runway- nonprecision instrument approach
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.



DIM	ITEM	DIMENSIONAL STANDARDS (FEET)					
		VISUAL RUNWAY		NON-PRECISION INSTRUMENT RUNWAY			PRECISION INSTRUMENT RUNWAY
		A	B	A	C	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
C	APPROACH SURFACE WIDTH AT END	VISUAL APPROACH		NON-PRECISION INSTRUMENT APPROACH			PRECISION INSTRUMENT APPROACH
		A	B	A	C	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

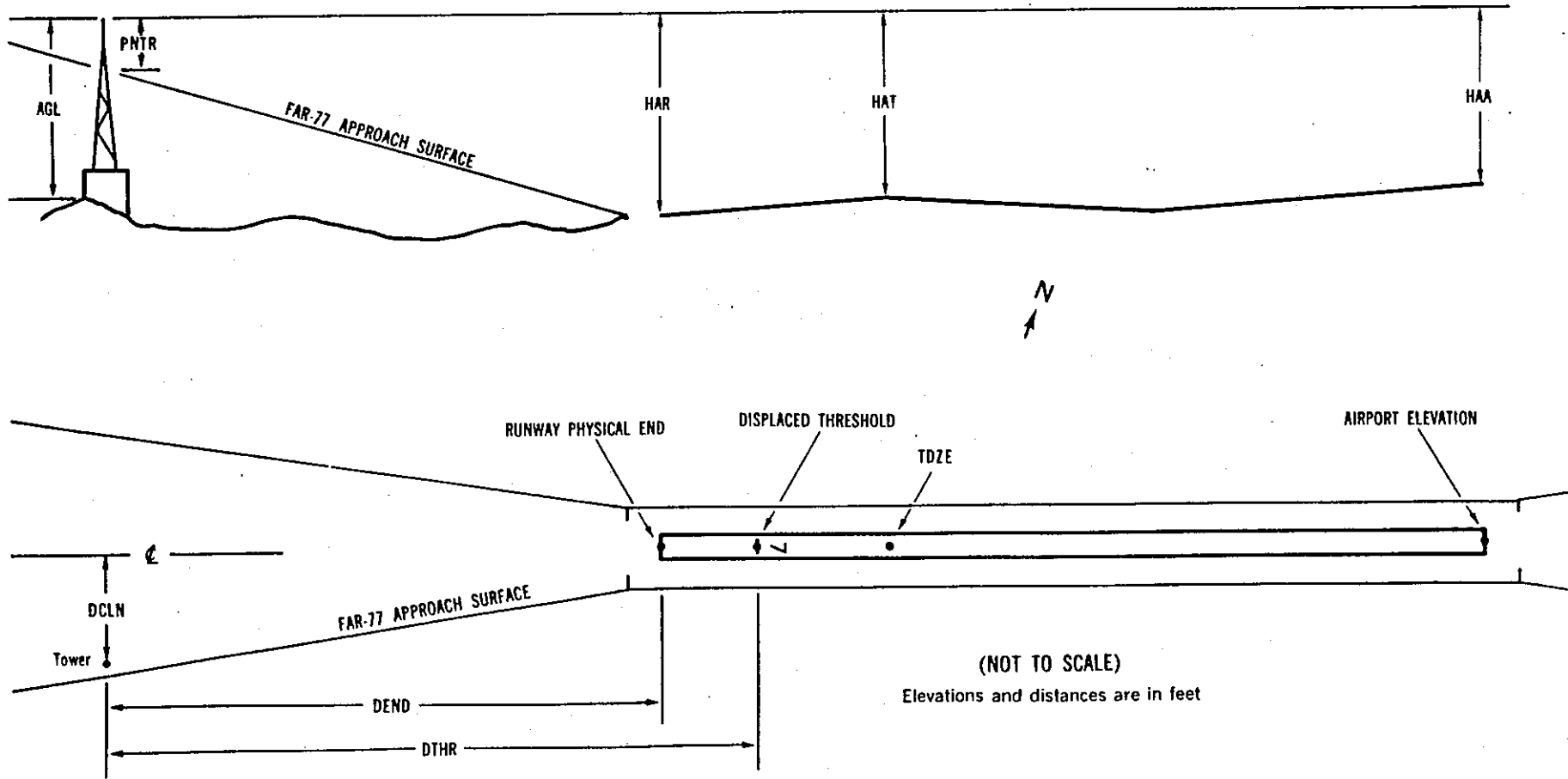
FAR-77 CIVIL AIRPORT
IMAGINARY SURFACES

ANNOTATION OF ODS DATA FORMAT

OC XXXX

AIRPORT ELEVATION XXXX

	x^1	x^2	$XXXX/XXXX^3$	$XXXXXX.XXX^4$	$XXXXXX.XXX^4$	$XXXXXX^5$	$XXXX/XXXX^6$	$XXXXXX.XXX^7$	$XXXXXX.XXX^7$			
OBJECT	LAT	LONG	A ⁸	ELEV ⁹	AGL ¹⁰	HAR ¹¹	HAT ¹¹	HAA ¹¹	DEND ¹²	DTHR ¹²	DCLN ¹²	PNTR ¹³
XXXXXXXXXXXX	XXXXXX.XXX	XXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX
XXXXXXXXXXXX	XXXXXX.XXX	XXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX



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 areas 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 Elevation at approach end of reference runway/touchdown zone elevation
- 4 Latitude and longitude at approach end of reference runway
- 5 Geodetic azimuth of reference runway reckoned from north
- 6 Elevation at reference runway displaced threshold/touchdown zone elevation
- 7 Latitude and longitude at reference runway displaced threshold
- 8 Accuracy codes: Horizontal Vertical
 1 = 20 A = 2
 2 = 40 B = 5
 C = 20
- 9 Elevation above mean sea level (MSL) 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). AGL's are provided only for manmade objects appearing on the OC and equal to or greater than 200 feet AGL. AGL accuracy is 10 feet.
- 11 HAA - Height above airport
 HAR - Height above approach end of reference runway
 HAT - Height above reference runway touchdown zone elevation
- 12 DEND - Distance along reference runway centerline from point nearest to object (perpendicular) to approach end of runway
 DTHR - Distance along reference runway centerline from point nearest to object (perpendicular) to displaced 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 that object is in primary on roll-out side of zero distance point.
- 13 PTNR - Penetration of indicated FAR-77 approach or primary surface (See footnote 2).

OC5388

AIRPORT ELEVATION 647

36 AV 644/ 644 414418.793 -894051.350 732.
OBJECT LAT LONG A EL AGL HAR HAT HAA DEND DTHR DCLN PNTR
TREE 414411.00 -894052.96 1A 669 25 25 22 789 120L -4

18 AV 641/ 642 414457.313 -894051.237 1800732.
OBJECT LAT LONG A EL AGL HAR HAT HAA DEND DTHR DCLN PNTR
TREE 414502.89 -894049.86 1A 662 21 20 15 565 103L 2
BUSH 414503.90 -894053.43 1A 653 12 11 6 666 168R -12
TRMSN TWR 414539.95 -894048.90 1A 737 96 95 90 4316 168L -110

7 C 647/ 647 414421.026 -894104.977 700758.
OBJECT LAT LONG A EL AGL HAR HAT HAA DEND DTHR DCLN PNTR
OL ON GS 414435.68 -893955.30 1A 679 32 32 32 -5471 400R 32
LTD WTEE 414428.68 -894054.44 1A 648 1 1 1 -1015 457L 6
BUSH 414423.90 -894115.27 1A 659 12 12 12 635 539L -1
POLE ON BLDG 414413.49 -894119.05 1A 674 27 27 27 1263 355R -4
POLE 414420.25 -894123.16 1A 673 26 26 26 1323 394L -7
ANT 414419.35 -894124.73 1A 681 34 34 34 1466 350L -3
TREE 414415.02 -894125.66 1A 696 49 49 49 1682 39R 5
TREE 414412.55 -894125.46 1A 702 55 55 55 1752 279R 9
TREE 414409.27 -894124.95 1A 709 62 62 62 1828 605R 14

OC5388

AIRPORT ELEVATION 647

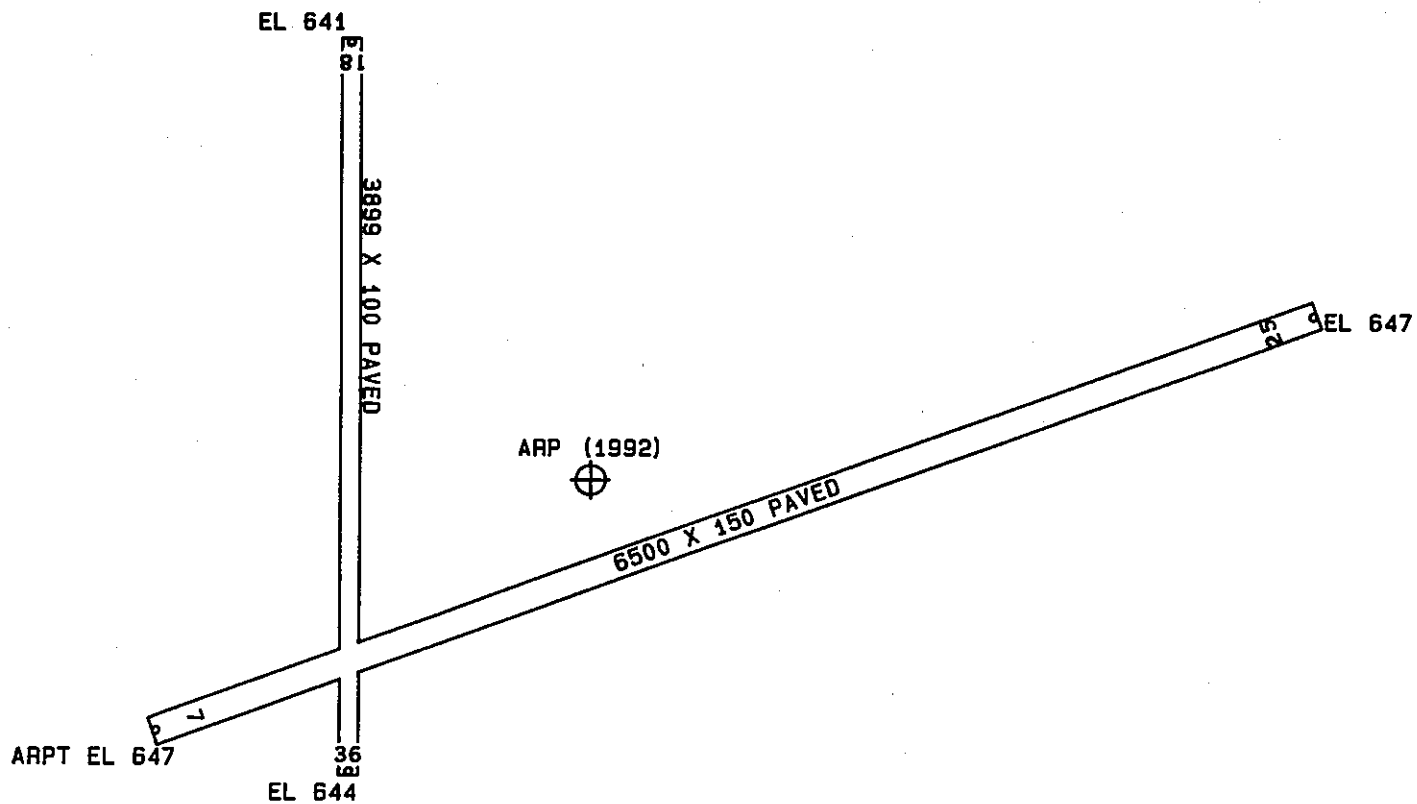
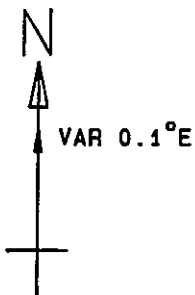
25 PIR 647/ 647 414442.841 -893944.336 2500851.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
LTD WTEE	414428.68	-894054.44	1A	648		1	1	1	-5485		457R	6
OL ON GS	414435.68	-893955.30	1A	679		32	32	32	-1028		400L	32
TREE	414450.19	-893926.43	1A	667		20	20	20	1529		238R	-6
TREE	414442.43	-893921.13	1A	674		27	27	27	1640		637L	-2

AIRPORT ELEVATION 647

ARP 414434.229 -894034.645

OBJECT	LAT	LONG	A	EL	AGL	HAA	MAG BEARING	DISTANCE
ROD ON OL APBN	414430.86	-894104.97	1A	701		54	26128	2324
TREE	414428.65	-894002.80	1A	706		59	10303	2480
TREE	414408.78	-894047.58	1A	680		33	20044	2756
TREE	414446.91	-893957.13	1A	671		24	6536	3120
TREE	414424.89	-894116.46	1A	702		55	25318	3308
TREE	414424.45	-894121.02	1A	704		57	25411	3652
TREE	414450.30	-893950.19	1A	691		44	6408	3742
POLE	414411.03	-894116.90	1A	676		29	23339	3972
TREE	414450.28	-893944.13	1A	684		37	6654	4159
TREE	414409.52	-894120.82	1A	713		66	23421	4302
TREE	414437.43	-893934.90	1A	690		43	8548	4540
TREE	414406.99	-894125.75	1A	719		72	23428	4755
ANT	414455.97	-893935.30	1A	718		71	6350	5008
POLE	414528.09	-894057.24	1A	701		54	34227	5714
OL ON ELEVATOR	414442.60	-893900.65	1A	741		94	8306	7176
ANT	414347.07	-893920.57	1B	807		160	13015	7370
OL ON TRMSN TWR	414541.46	-893941.32	1B	801		154	3036	7915
OL ON TRMSN TWR	414541.51	-893924.74	1B	806		159	3746	8629
ANT ON OL TANK	414541.28	-894157.79	1B	823		176	31701	9261
OL ON TANK	414614.94	-894031.06	1A	807		160	125	10198



TOUCHDOWN ZONE RUNWAY ELEVATION	
36	644
18	642
7	647
25	647

WHITESIDE COUNTY AIRPORT - JOSEPH H. BITTORF FIELD
 STERLING - ROCK FALLS, ILLINOIS
 (NOT TO SCALE)
 (ELEVATIONS AND DISTANCES IN FEET)