

OBSTRUCTION DATA SHEET

**ODS 5214
GALESBURG MUNICIPAL AIRPORT
GALESBURG, ILLINOIS**

DIGITIZED FROM

**OC 5214
SURVEYED 20 OCTOBER 1992
8TH EDITION**

**HORIZONTAL DATUM NAD83
VERTICAL DATUM NGVD29**



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U.S. DEPARTMENT OF COMMERCE
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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.

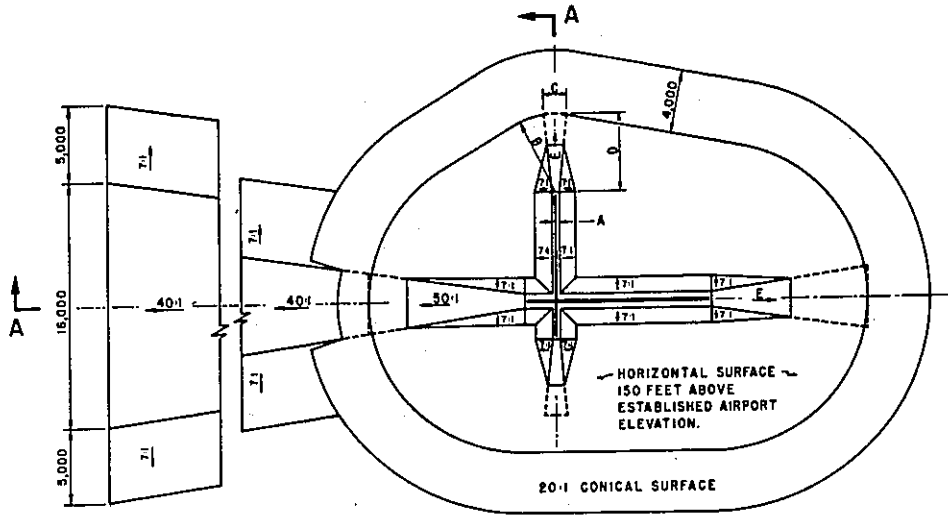
ODS information is arranged as follows:

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:

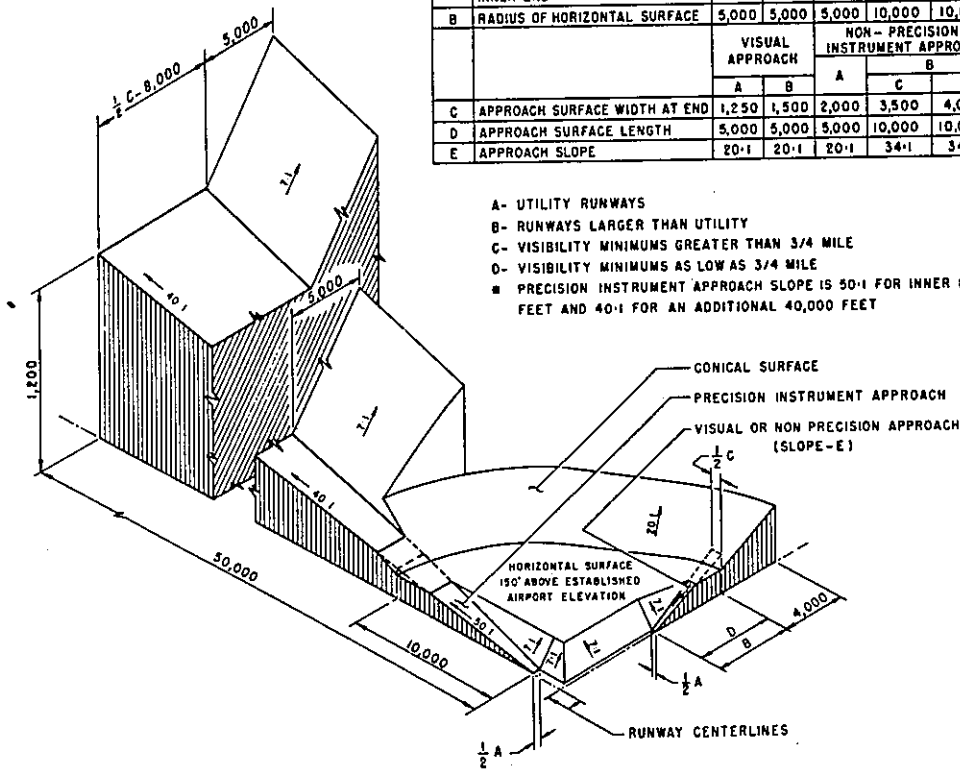
A(V) Utility runway - visual approach only
A(NP) Utility runway - nonprecision instrument approach
B(V) Nonutility runway - visual approach only
C Nonutility runway - nonprecision instrument
approach with visibility minimums greater than
3/4 mile
D Nonutility runway- nonprecision instrument approach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

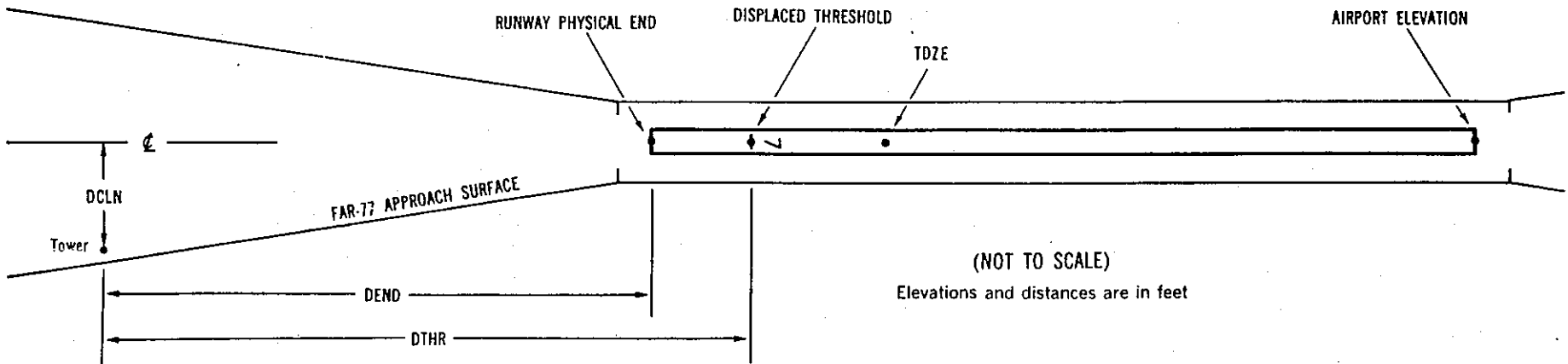
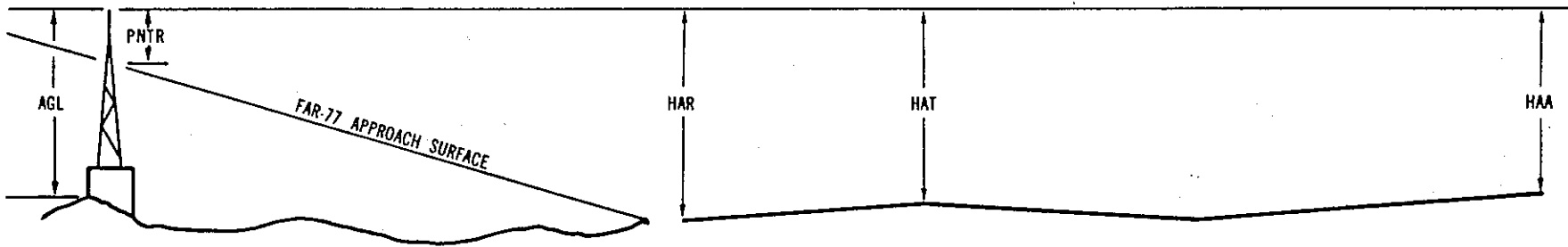
FAR-77 CIVIL AIRPORT
IMAGINARY SURFACES

ANNOTATION OF ODS DATA FORMAT

OC XXXX

AIRPORT ELEVATION XXXX

X ¹	X ²	XXXX/XXXX ³	XXXXXX.XXX ⁴	XXXXXXXX.XXX ⁴	XXXXXXX ⁵	XXXX/XXXX ⁶	XXXXXX.XXX ⁷	XXXXXXXX.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	
XXXXXXXXXXXXXX	XXXXXX.XXX	XXXXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX	
XXXXXXXXXXXXXX	XXXXXX.XXX	XXXXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX	



(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 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).

OC5214

AIRPORT ELEVATION 764

10 AV 758/ 763 405620.737 -902612.670 1010011.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	405620.30	-902619.03	1A	771		13	8	7	471		137R	0
TREE	405624.72	-902628.17	1A	786		28	23	22	1244		168L	-24

28 AV 758/ 763 405613.945 -902526.621 2810041.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	405609.30	-902505.74	1A	810		52	47	46	1663		155L	-21

2 PIR 754/ 763 405551.245 -902611.362 280955.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON LTD WSK	405633.71	-902547.19	1A	782		28	19	18	-4664		393L	21
OL ON GS	405558.09	-902600.62	1A	797		43	34	33	-1000		400R	40
BUSH	405556.63	-902613.91	1A	760		6	-3	-4	-389		430L	5
TREE	405545.79	-902607.88	1A	755		1	-8	-9	360		496R	-3
TREE	405542.19	-902613.48	1A	765		11	2	1	885		289R	-3
TREE	405543.16	-902626.54	1A	780		26	17	16	1271		641L	4
TREE	405536.64	-902629.22	1A	796		42	33	32	1950		511L	7

OC5214

AIRPORT ELEVATION 764

20 C 764/ 764 405641.704 -902535.730 2081018.

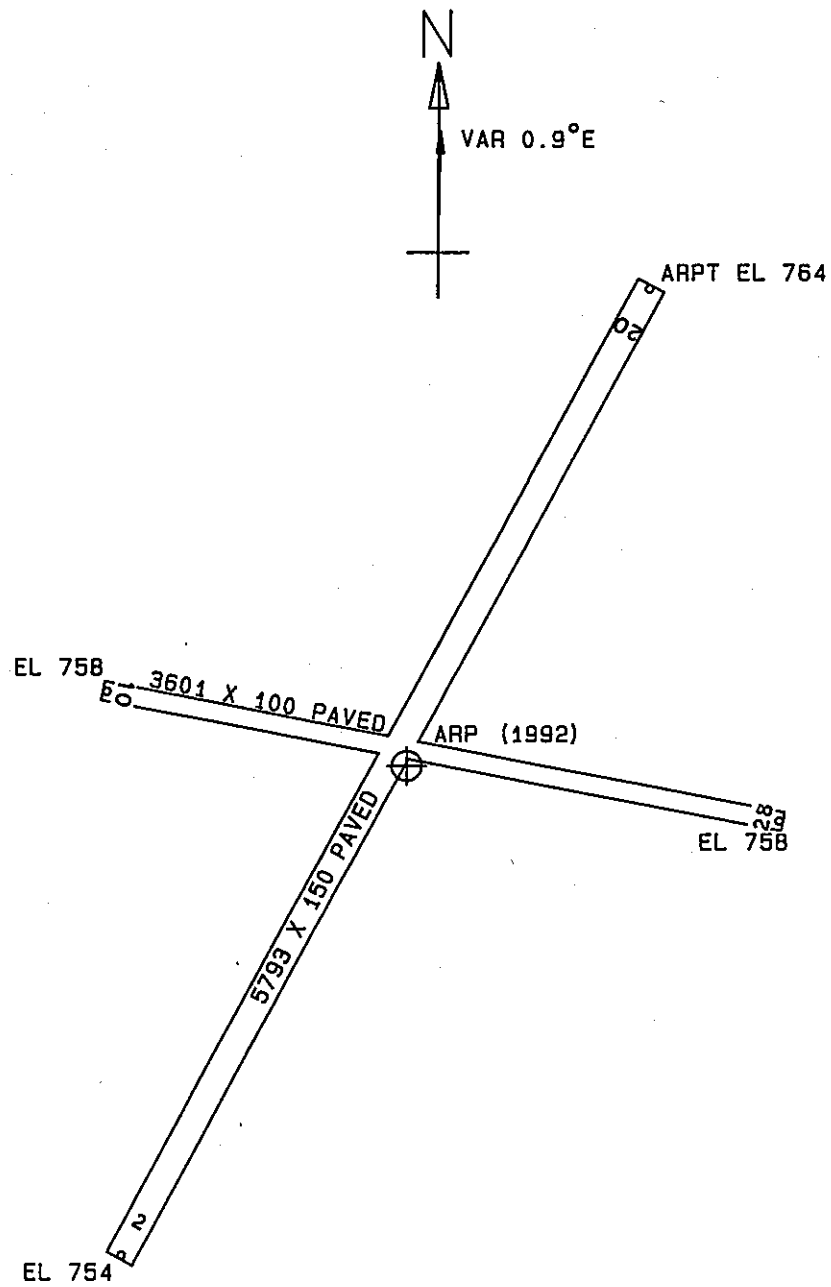
OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
BUSH	405556.63	-902613.91	1A	760		-4	-4	-4	-5404		430R	5
OL ON GS	405558.09	-902600.62	1A	797		33	33	33	-4793		400L	40
OL ON LTD WSK	405633.71	-902547.19	1A	782		18	18	18	-1129		393R	21
OL ON LOC	405646.91	-902532.05	1A	770		6	6	6	598		OR	-6
ANT ON BLDG	405648.37	-902534.27	1A	774		10	10	10	648		220R	-3
TREE	405650.99	-902520.74	1A	803		39	39	39	1371		571L	4
TREE	405653.48	-902519.62	1A	815		51	51	51	1634		527L	9
TREE	405656.51	-902520.07	1A	819		55	55	55	1888		352L	5

OC5214

AIRPORT ELEVATION 764

ARP 405616.807 -902552.052

OBJECT	LAT	LONG	A	EL	AGL	HAA	MAG	BEARING	DISTANCE
TREE	405618.05	-902608.32	1A	779		15	27450		1255
TREE	405612.04	-902530.90	1A	781		17	10539		1694
TREE	405624.10	-902612.86	1A	781		17	29354		1759
ROD ON OL BLDG	405626.25	-902531.34	1A	825		61	5805		1854
TREE	405619.06	-902617.36	1A	780		16	27547		1955
ANT	405637.31	-902549.86	1A	797		33	344		2082
TREE	405555.43	-902557.38	1A	794		30	18947		2202
TREE	405610.32	-902523.23	1A	784		20	10537		2307
ROD ON OL APBN	405639.56	-902550.01	1A	843		79	259		2308
POLE	405619.53	-902627.31	1A	784		20	27455		2720
POLE	405626.62	-902627.13	1A	789		25	28921		2870
LIGHT	405644.85	-902545.03	1A	787		23	951		2889
TREE	405545.90	-902606.04	1A	764		0	19802		3307
TREE	405540.36	-902602.98	1A	817		53	19154		3782
TREE	405544.96	-902625.50	1A	777		13	21738		4120
TREE	405617.14	-902456.24	1A	820		56	8838		4283
TREE	405651.63	-902517.60	1A	814		50	3558		4405
LIGHT	405613.24	-902434.11	1A	863		99	9232		5992



TOUCHDOWN ZONE	
RUNWAY ELEVATION	
10	763
28	763
2	763
20	764

GALESBURG MUNICIPAL AIRPORT
 GALESBURG, ILLINOIS
 (NOT TO SCALE)
 (ELEVATIONS AND DISTANCES IN FEET)