

OBSTRUCTION DATA SHEET

**ODS 302
JOHNSON COUNTY INDUSTRIAL AIRPORT
OLATHE, KANSAS**

DIGITIZED FROM

**OC 302
SURVEYED JUNE 1992
4TH 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.

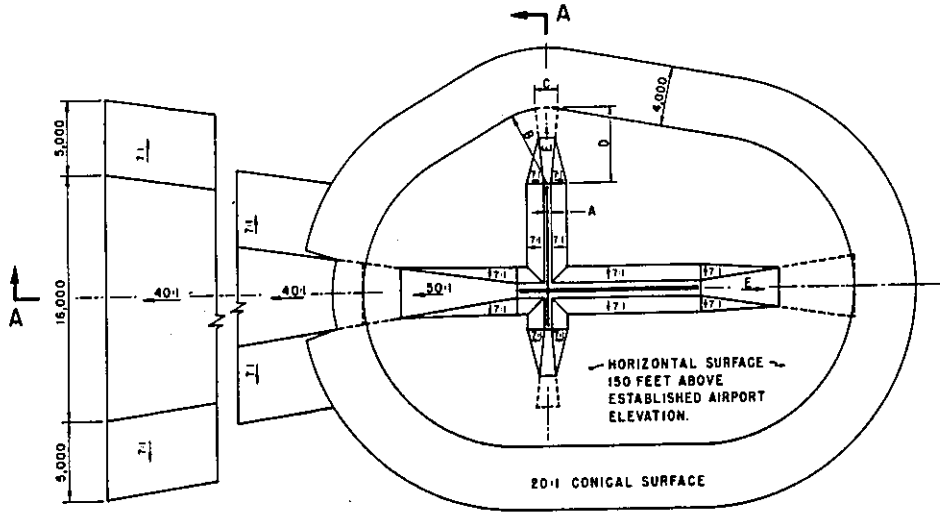
ODS information is arranged as follows:

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:

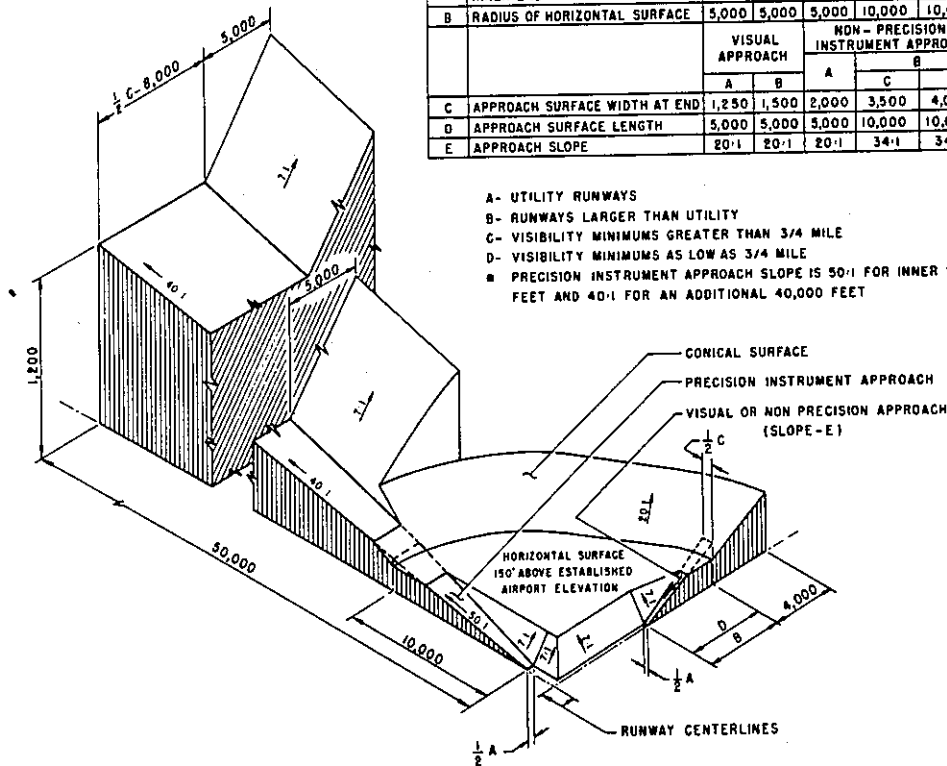
A(V) Utility runway - visual approach only
A(NP) Utility runway - nonprecision instrument approach
B(V) Nonutility runway - visual approach only
C Nonutility runway - nonprecision instrument
approach with visibility minimums greater than
3/4 mile
D Nonutility runway- nonprecision instrument approach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

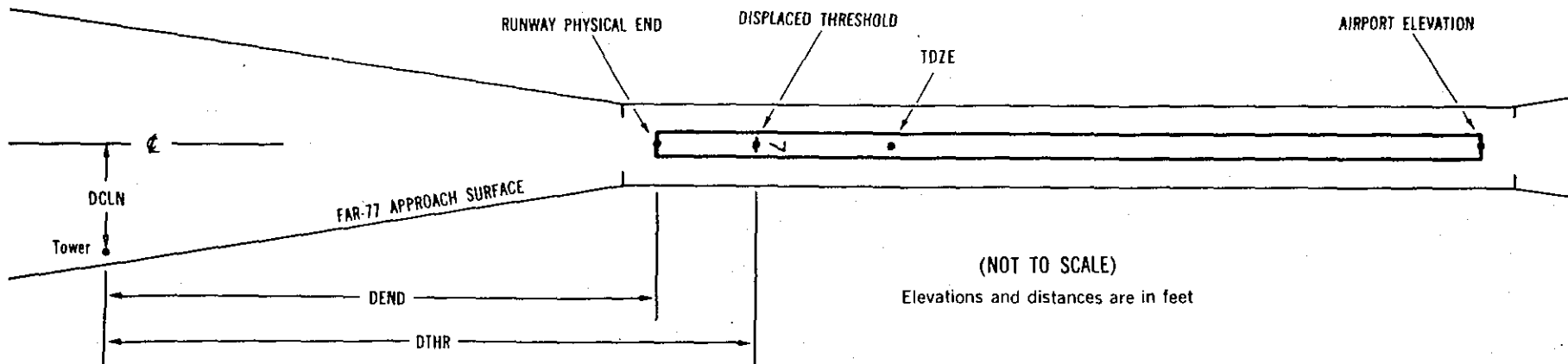
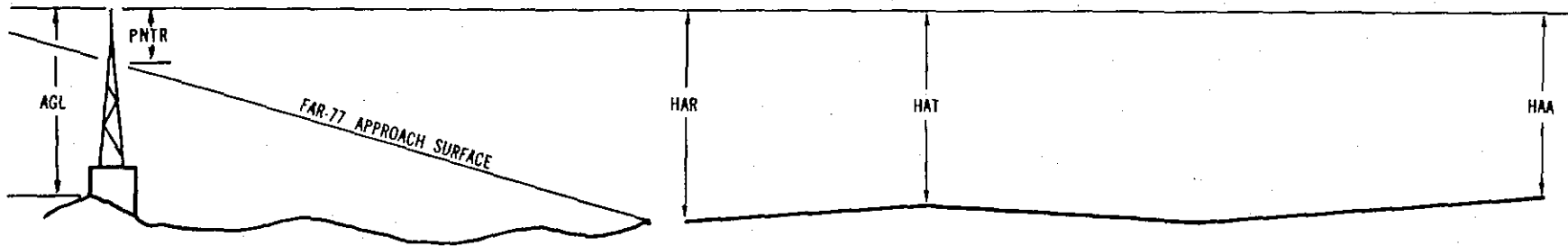
ANNOTATION OF ODS DATA FORMAT

OC XXXX

AIRPORT ELEVATION XXXX

x¹ x² XXXX/XXXX³ XXXXXX.XXX⁴ XXXXXXXX.XXX⁴ XXXXXXXX⁵ XXXX/XXXX⁶ XXXXXX.XXX⁷ XXXXXXXX.XXX⁷

OBJECT	LAT	LONG	A ⁸	ELEV ⁹	AGL ¹⁰	HAR ¹¹	HAT ¹¹	HAA ¹¹	DEND ¹²	DTHR ¹²	DCLN ¹²	PNTR ¹³
XXXXXXXXXXXXX	XXXXXX.XXX	XXXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX
XXXXXXXXXXXXX	XXXXXX.XXX	XXXXXXXX.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 displace 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 displace 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).

OC0302

AIRPORT ELEVATION 1087

14 AV 1081/ 385020.169 -945334.472 1430244. 1079/1079 385010.690 -945325.355

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	385023.57	-945335.80	1A	1088		7	9	1	338	1538	123L	0
VENT ON HGR	385026.53	-945342.52	1A	1126		45	47	39	897	2097	122R	10

32 AV 1062/1079 384946.919 -945302.494 3230304.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	384934.96	-945253.54	1A	1074		12	-5	-13	1392		161L	-47
TREE	384931.49	-945249.74	1A	1088		26	9	1	1854		132L	-56

35 PIR 1051/1066 384909.708 -945329.711 000216.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	385023.57	-945335.80	1A	1088		37	22	1	-7472		487L	4
GROUND	385022.42	-945324.51	1A	1088		37	22	1	-7356		407R	4
GROUND	384920.75	-945323.56	1A	1066		15	0	-21	-1118		486R	8
OL ON LTD WSK	384919.60	-945332.84	1A	1065		14	-1	-22	-1000		248L	8
ANT ON OL GS	384919.11	-945325.16	1A	1097		46	31	10	-951		360R	40
ROAD (N)	384852.34	-945329.68	1A	1058		7	-8	-29	1757		3R	-24
TREE	384850.95	-945329.64	1A	1070		19	4	-17	1898		7R	-15
TREE	384849.44	-945338.10	1A	1075		24	9	-12	2051		662L	-13
TREE	384840.97	-945338.16	1A	1079		28	13	-8	2907		667L	-26

AIRPORT ELEVATION 1087

17 SUPLC 1085/1085 385022.244 -945329.650 1800216.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ANT ON OL GS	384919.11	-945325.16	1A	1097		12	12	10	-6387		360L	40
OL ON LTD WSK	384919.60	-945332.84	1A	1065		-20	-20	-22	-6338		248R	8
GROUND	384920.75	-945323.56	1A	1066		-19	-19	-21	-6221		486L	8
GROUND	385022.42	-945324.51	1A	1088		3	3	1	18		407L	4
GROUND	385023.57	-945335.80	1A	1088		3	3	1	133		487R	4
GROUND	385024.33	-945334.12	1A	1086		1	1	-1	211		354R	1
GROUND	385024.40	-945324.11	1A	1088		3	3	1	219		438L	3
WINDSOCK	385028.51	-945323.23	1A	1095		10	10	8	634		508L	-2
OL ON LOC	385032.10	-945329.64	1A	1095		10	10	8	997		OR	-13
OL ON DME	385032.20	-945327.05	1A	1104		19	19	17	1007		205L	-4

4 SUPLC 1061/1080 384941.567 -945342.225 470228.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
AIR COND ON BLDG	384934.60	-945355.06	1A	1085		24	5	-2	1224		177L	-6
OL ON TANK	384842.18	-945523.47	1B	1198		137	118	111	9959		1065L	-150

22 SUPLC 1087/1087 385016.118 -945254.779 2270258.

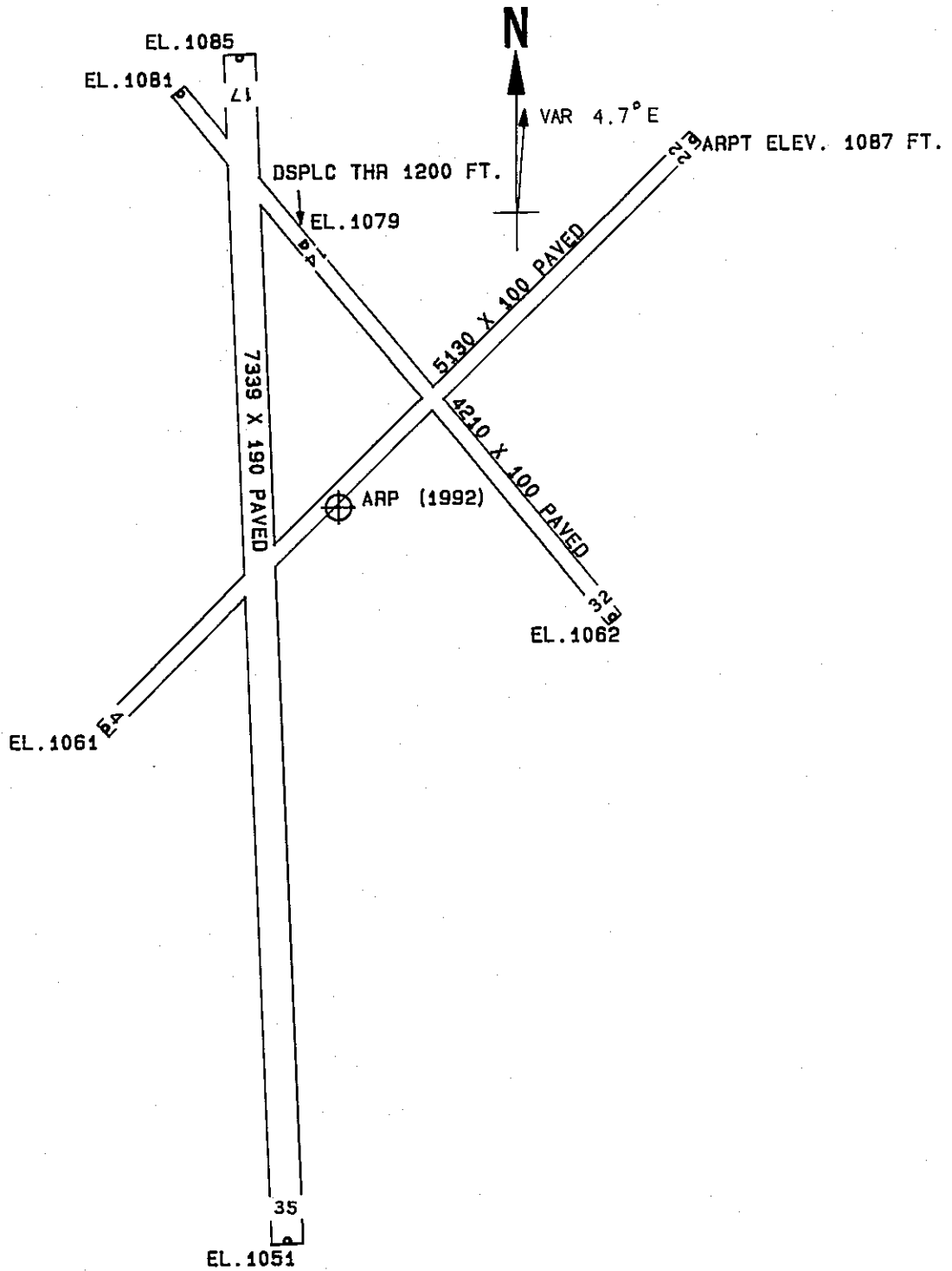
OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON FENCE	385016.93	-945250.64	1A	1098		11	11	11	296		163L	8
OL ON FENCE	385019.74	-945250.61	1A	1095		8	8	8	491		44R	0
TREE	385027.33	-945241.72	1A	1116		29	29	29	1529		126R	-10

OC0302

AIRPORT ELEVATION 1087

ARP 384954.368 -945323.416

OBJECT	LAT	LONG	A	EL	AGL	HAA	MAG BEARING	DISTANCE
OL ON LTD WSK	384949.54	-945321.14	1A	1095		8	15502	520
APBN & ANT ON OL ATCT	385010.11	-945341.11	1A	1182		95	31359	2121
PIPE ON TANK	384934.19	-945338.56	1A	1088		1	20542	2367
LTD WIND TEE	385017.92	-945336.38	1A	1086		-1	33200	2594
ANT ON HANGAR	385021.15	-945317.71	1A	1127		40	445	2747
GROUND	384924.86	-945323.20	1A	1064		-23	17458	2985
FENCE	385015.65	-945250.69	1A	1096		9	4533	3368
HANGAR	385025.14	-945342.40	1A	1118		31	32932	3457
TREE	385023.60	-945232.18	1A	1138		51	4911	5018



TOUCHDOWN ZONE RUNWAY ELEVATION	
14	1079
32	1079
35	1066
17	1085
4	1080
22	1087

JOHNSON COUNTY INDUSTRIAL AIRPORT
 OLATHE, KANSAS
 (NOT TO SCALE)