

OBSTRUCTION DATA SHEET

ODS 5765
LEE C. FINE MEMORIAL AIRPORT
KAISER (LAKE OZARK), MISSOURI

DIGITIZED FROM

OC 5765
SURVEYED NOVEMBER 1988
3RD EDITION



PREPARED AND DISTRIBUTED BY
THE NATIONAL OCEAN SERVICE
U.S. DEPARTMENT OF COMMERCE
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:

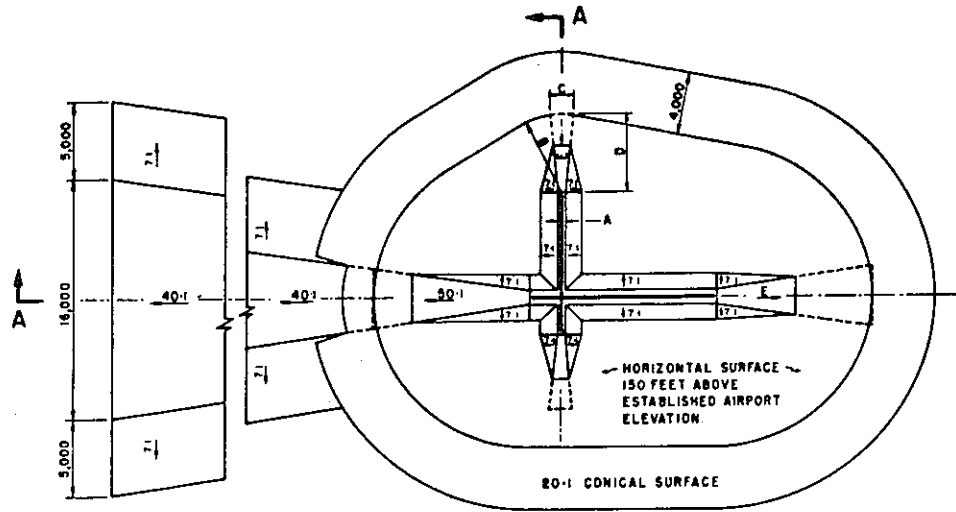
1. Objects located in FAR-77 approach (including supplemental approaches if present) or primary areas are listed with the associated runway (reference runway). For example, all objects in the Runway 9R approach or primary are listed with Runway 9R. Distances to these objects are computed from both the 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):

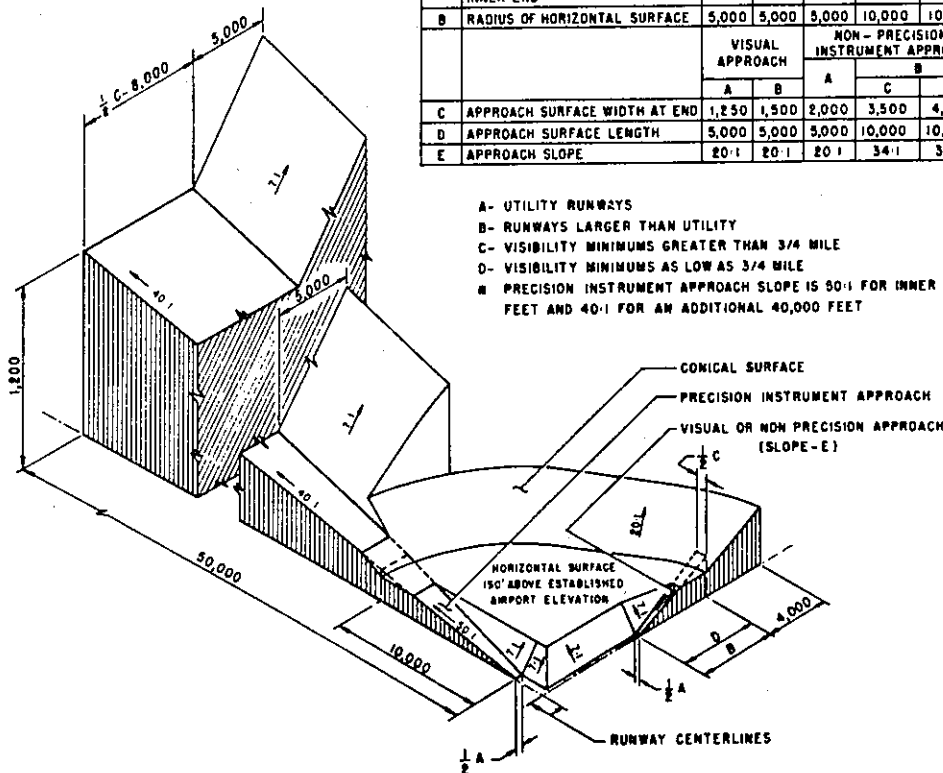
A(V) Utility runway - visual approach only
 A(NP) Utility runway - nonprecision instrument approach
 B(V) Nonutility runway - visual approach only
 C Nonutility runway - nonprecision instrument approach with
 visibility minimums greater than 3/4 mile
 D Nonutility runway - nonprecision instrument approach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

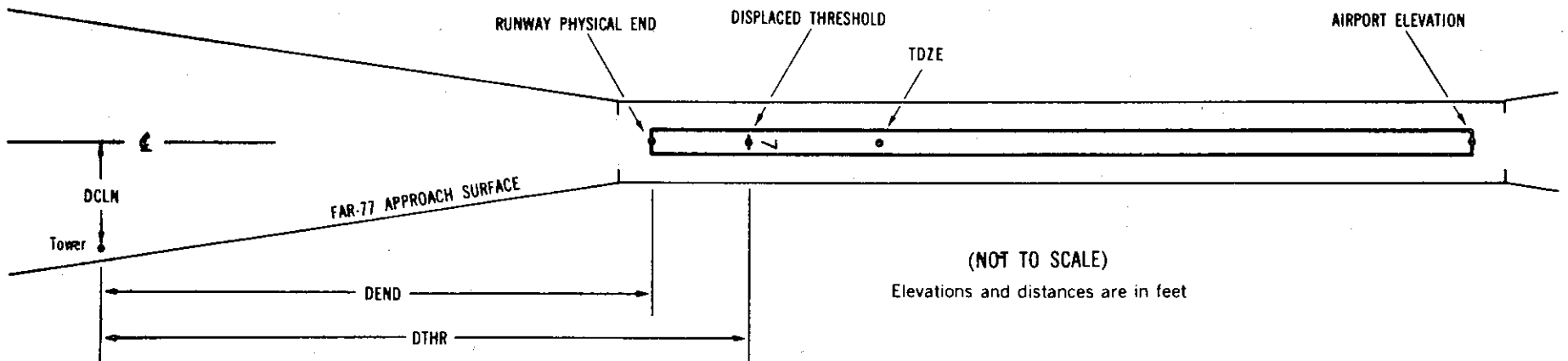
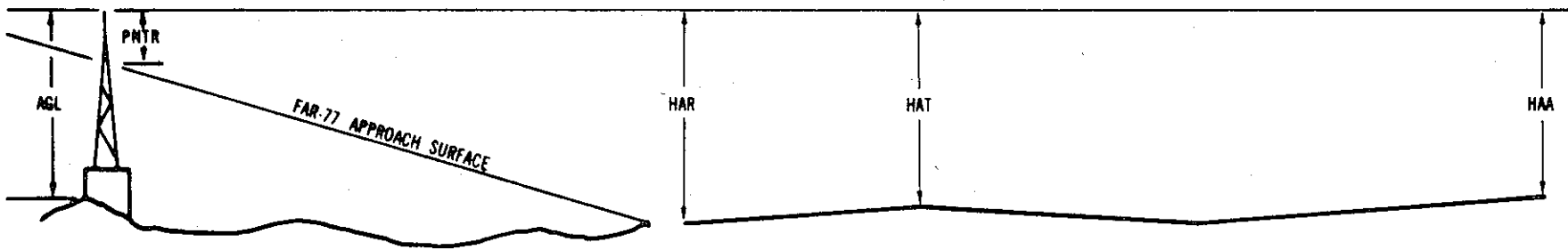
ANNOTATION OF ODS DATA FORMAT

OC XXXX

AIRPORT ELEVATION XXXX

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



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).

OC5765

AIRPORT ELEVATION 869

3 PIR 863/860 380519.969N 0923321.959W 2170403

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	380615.21	0923236.38	1A	876		13	16	7	-6656		461L	7
GROUND	380613.82	0923237.07	1A	870		7	10	1	-6510		420L	1
TREE	380608.22	0923228.99	1A	916		53	56	47	-6447		436R	47
TREE	380601.85	0923235.58	1A	914		51	54	45	-5615		404R	47
TREE	380552.64	0923244.32	1A	912		49	52	43	-4450		409R	47
TREE	380544.10	0923252.62	1A	910		47	50	41	-3361		400R	48
TREE	380536.87	0923259.44	1A	904		41	44	35	-2449		406R	46
TREE	380536.49	0923258.81	1A	906		43	46	37	-2449		469R	48
TREE	380520.01	0923313.82	1A	906		43	46	37	-395		517R	43
TREE	380519.47	0923316.31	1A	904		41	44	35	-232		391R	41
TREE	380515.51	0923320.03	1A	879		16	19	10	267		395R	15
GROUND	380515.27	0923325.26	1A	869		6	9	0	538		76R	-1
TREE	380518.51	0923330.69	1A	884		21	24	15	538		468L	14
TREE	380515.65	0923329.83	1A	880		17	20	11	728		239L	6
GROUND	380513.64	0923327.15	1A	873		10	13	4	761		55R	-1
GROUND	380512.86	0923326.07	1A	874		11	14	5	772		171R	0
GROUND	380511.72	0923326.36	1A	876		13	16	7	878		222R	-1
TREE	380503.39	0923333.52	1A	899		36	39	30	1896		273R	2
TREE	380504.22	0923337.94	1A	909		46	49	40	2041		59L	9
TREE	380459.84	0923343.31	1A	925		62	65	56	2653		135L	13
TREE	380502.21	0923353.28	1A	945		82	85	76	2943		916L	27
TREE	380500.41	0923350.73	1A	936		73	76	67	2965		643L	18
TREE	380446.12	0923339.60	1A	916		53	56	47	3583		938R	-15
TREE	380444.13	0923345.85	1A	926		63	66	57	4044		660R	-14

OC5765

AIRPORT ELEVATION 869

21 C 869/869 380611.216N 0923232.968W 0370433

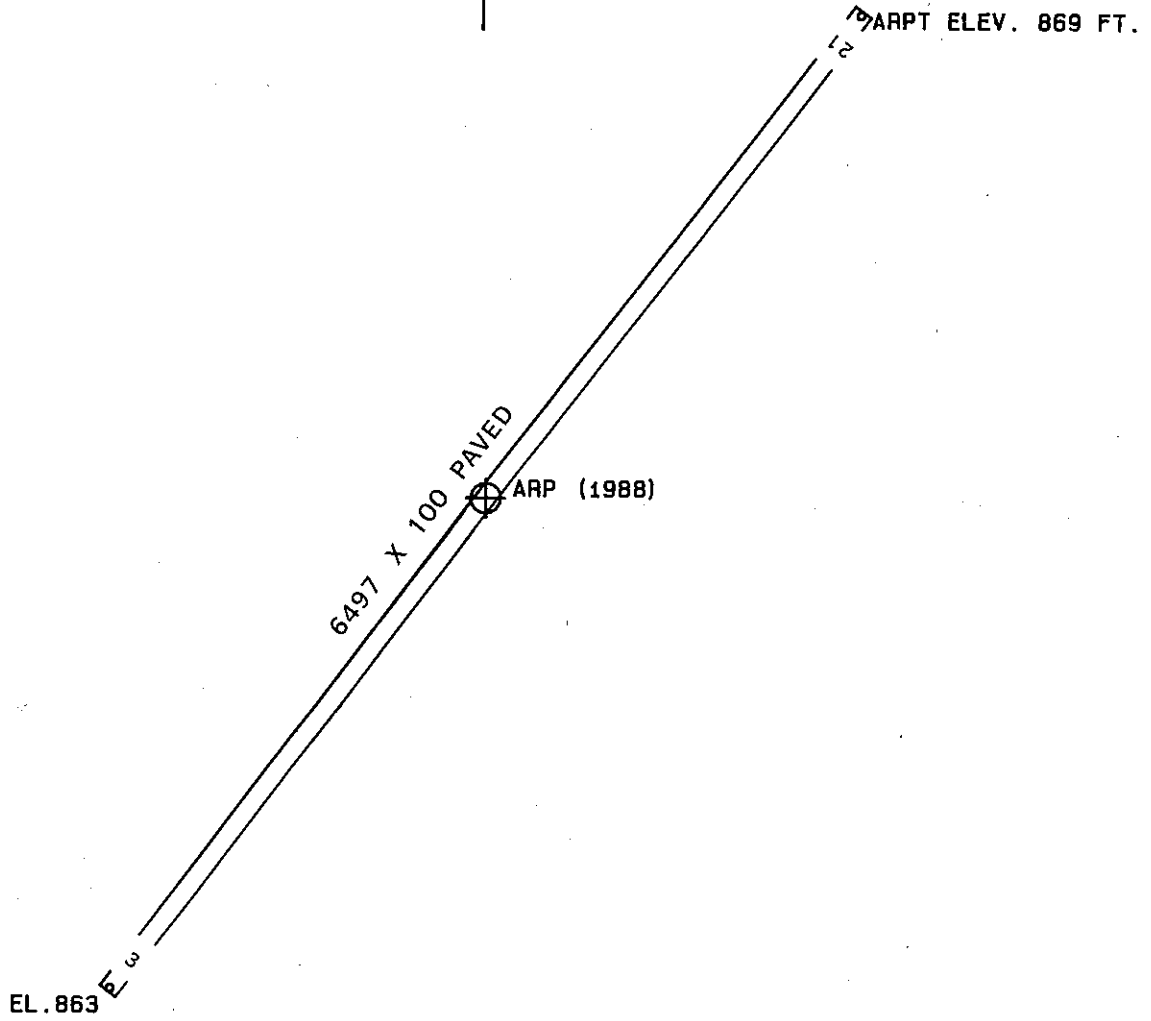
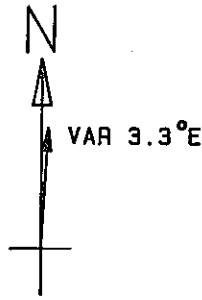
OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	380519.47	0923316.31	1A	904		35	35	35	-6265		391L	41
TREE	380520.01	0923313.82	1A	906		37	37	37	-6102		517L	43
TREE	380536.87	0923259.44	1A	904		35	35	35	-4048		406L	46
TREE	380536.49	0923258.81	1A	906		37	37	37	-4048		469L	48
TREE	380544.10	0923252.62	1A	910		41	41	41	-3136		400L	48
TREE	380552.64	0923244.32	1A	912		43	43	43	-2047		409L	47
TREE	380601.85	0923235.58	1A	914		45	45	45	-882		404L	47
TREE	380608.22	0923228.99	1A	916		47	47	47	-50		436L	47
GROUND	380613.82	0923237.07	1A	870		1	1	1	13		420R	1
GROUND	380615.21	0923236.38	1A	876		7	7	7	158		461R	7
TREE	380611.02	0923225.61	1A	913		44	44	44	338		481L	40
TREE	380614.61	0923229.26	1A	879		10	10	10	452		29L	3
TREE	380620.51	0923227.41	1A	890		21	21	21	1018		212R	-3
TREE	380654.63	0923207.89	1A	963		94	94	94	4712		1049R	-39
TREE	380658.52	0923150.68	1A	949		80	80	80	5855		188R	-86

0C5765

AIRPORT ELEVATION 869

ARP 380545.593N 0923257.465W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG	BEARING	DISTANCE
ROD ON AIRPORT BEACON	380544.43	0923246.08	1A	913		44	94	5	918
POLE	380546.75	0923311.33	1A	924		55	272	43	1115
TREE	380540.33	0923313.58	1A	919		50	244	14	1394
TREE	380534.01	0923321.85	1A	933		64	235	41	2275
TREE	380608.22	0923246.20	1A	911		42	18	11	2460
TREE	380602.45	0923232.14	1A	918		49	46	36	2647
TREE	380524.55	0923327.19	1A	915		46	224	50	3190
TREE	380521.38	0923329.19	1A	874		5	222	42	3526
TREE	380617.13	0923238.27	1A	905		36	22	23	3540
TREE	380619.49	0923234.53	1A	896		27	24	50	3888
TREE	380511.00	0923321.00	1A	935		66	204	58	3973
TREE	380621.33	0923233.07	1A	906		37	25	2	4107
TREE	380650.96	0923235.67	1B	1006		137	11	27	6838
TREE	380725.19	0923338.87	1B	1042		173	338	31	10604
TREE	380737.94	0923328.01	1B	1044		175	344	35	11623
TREE	380741.82	0923318.85	1B	1059		190	348	26	11880
TREE	380743.78	0923327.34	2C	1073		204	345	25	12192
POLE	380748.90	0923324.30	2C	1052		183	346	57	12657



TOUCHDOWN ZONE RUNWAY ELEVATION	
3	860
21	869

LEE C. FINE MEMORIAL AIRPORT
KAISER (LAKE OZARK), MISSOURI
(NOT TO SCALE)