

OBSTRUCTION DATA SHEET

ODS 873
AUSTIN STRAUBEL INTERNATIONAL AIRPORT
GREEN BAY, WISCONSIN

DIGITIZED FROM

OC 873
SURVEYED OCTOBER 1993
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HORIZONTAL DATUM NAD 83
VERTICAL DATUM NGVD 29



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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.

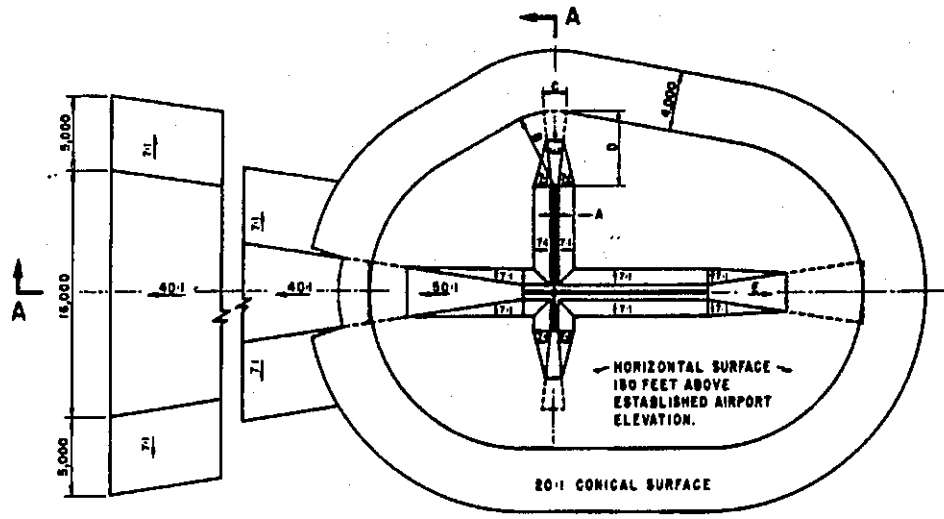
ODS information is arranged as follows:

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.

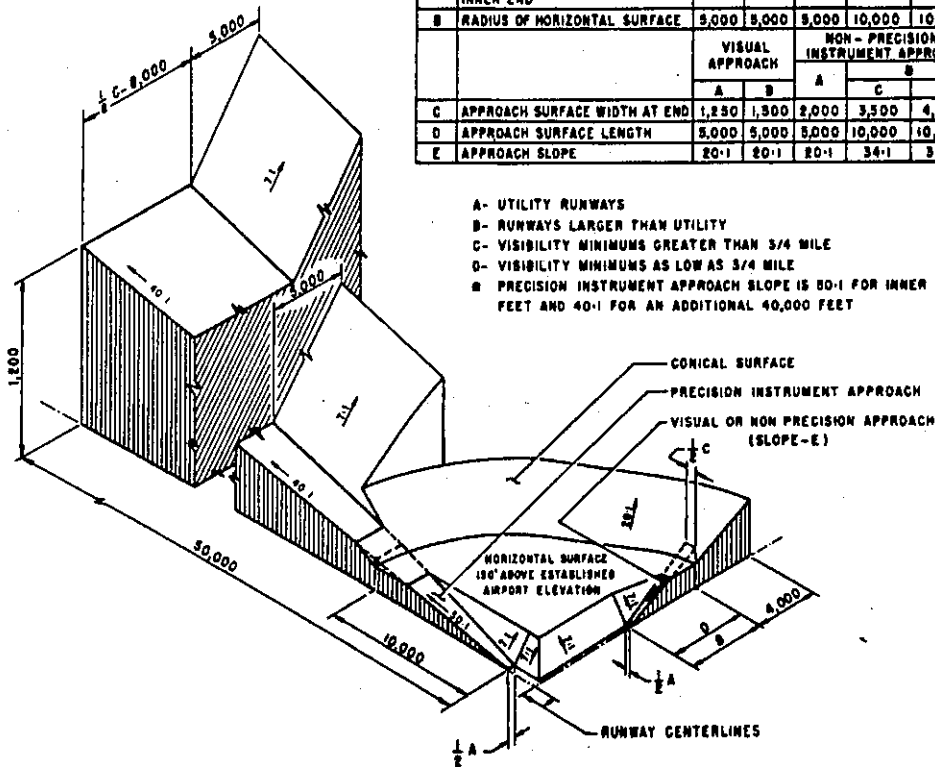
The FAR-77 imaginary approach surfaces for which the obstruction surveys were performed are coded in the ODS as follows:

- 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	300	300	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	1,300	2,000	3,300	4,000	15,000
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 80:1 FOR INNER 10,000 FEET AND 40:1 FOR AN ADDITIONAL 40,000 FEET

ISOMETRIC VIEW OF SECTION A-A

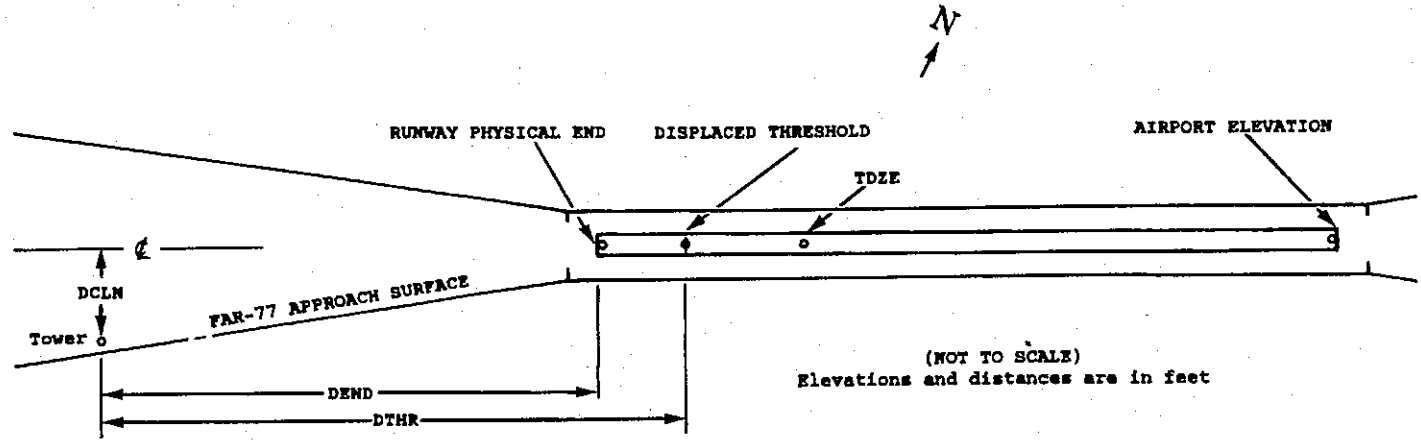
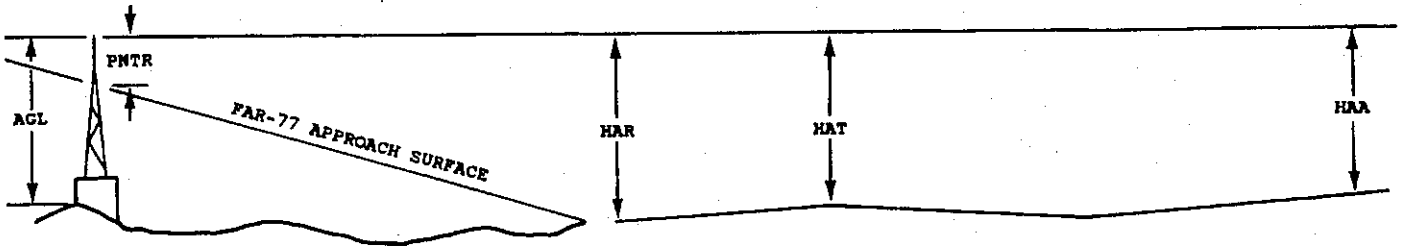
FAR-77 CIVIL AIRPORT
IMAGINARY SURFACES

ANNOTATION OF ODS DATA FORMAT

OC XXXX

AIRPORT ELEVATION XXXX

1	2	3	4	4	5	6	7	7				
X	X	XXXX/XXXX	XXXXXX.XXX	XXXXXX.XXX	XXXXXX	XXXX/XXXX	XXXXXX.XXX	XXXXXX.XXX				
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 (Ft.) Vertical (Ft.)

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 PNTR - Penetration of indicated FAR-77 approach or primary surface (See footnote 2).

OC0873

AIRPORT ELEVATION 695

12 ANP 694/ 694 442931.755 -880802.702 1195542.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	442939.82	-880830.75	1A	786		92	92	91	2169		306R	-7

30 ANP 678/ 694 442915.997 -880724.470 2995609.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	442906.30	-880711.13	1A	725		47	31	30	1328		368L	-9
TREE	442906.26	-880659.47	1A	734		56	40	39	2062		50R	-37
TREE	442858.85	-880653.93	1A	757		79	63	62	2786		400L	-50

18 SUPLC 695/ 695 442937.744 -880801.164 1795520.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON GS	442827.14	-880805.15	1A	709		14	14	14	-7149		299R	32
GROUND	442840.14	-880807.07	1A	681		-14	-14	-14	-5832		436R	4
OL ON GS	442857.10	-880805.25	1A	722		27	27	27	-4116		302R	36
OL ON LOC	442943.57	-880801.18	1A	700		5	5	5	590		OR	-7
ANT ON BLDG	442943.69	-880757.59	1A	706		11	11	11	602		260L	-1
TREE	442955.47	-880754.27	1A	736		41	41	41	1794		502L	-6
TREE	442955.79	-880808.13	1A	737		42	42	42	1828		502R	-6

36 PIR 682/ 682 442816.775 -880801.011 3595520.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON GS	442857.10	-880805.25	1A	722		40	40	27	-4084		302L	36
GROUND	442840.14	-880807.07	1A	681		-1	-1	-14	-2367		436L	4
OL ON GS	442827.14	-880805.15	1A	709		27	27	14	-1050		299L	32
TREE	442808.53	-880805.36	1A	712		30	30	17	834		316L	17

QC0873

AIRPORT ELEVATION 695

6 PIR 692/ 692 442856.801 -880816.963 595436.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON GS	442857.10	-880805.25	1A	722		30	30	27	-750		400R	32
APP LT	442855.53	-880819.68	1A	694		2	2	-1	235		13R	1
TREE	442850.78	-880842.20	1A	725		33	33	30	1889		389L	-1
TREE	442841.14	-880842.01	1A	729		37	37	34	2366		462R	-6

24 C 682/ 682 442934.907 -880645.064 2395541.

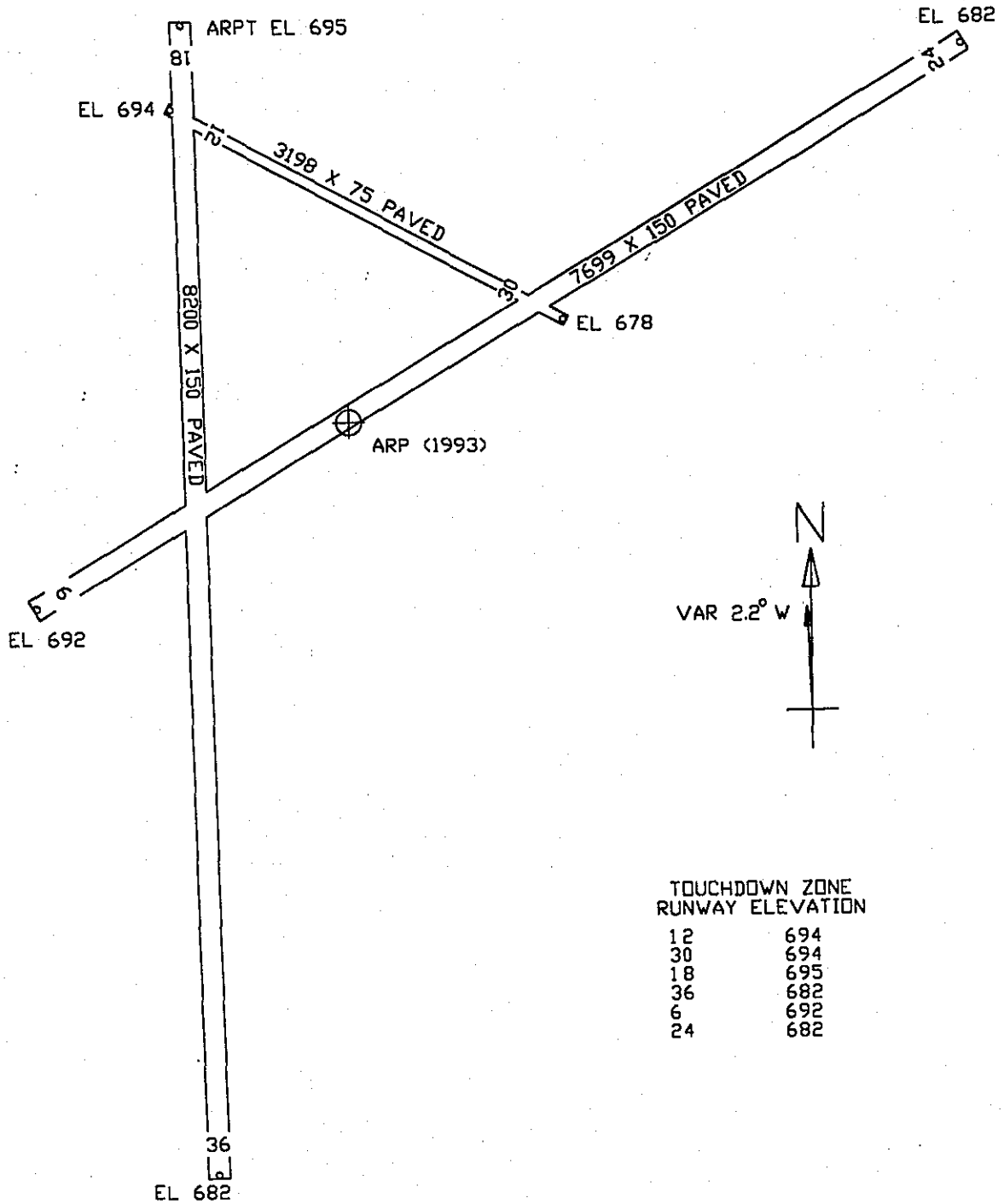
OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON GS	442857.10	-880805.25	1A	722		40	40	27	-6949		400L	32
OL LOC	442939.85	-880633.13	1A	688		6	6	-7	999		OR	-17
OL ON DME	442942.44	-880634.98	1A	702		20	20	7	1015		294R	-3
ROD ON TWR	442946.96	-880613.65	1A	730		48	48	35	2582		84L	-22

OC0873

AIRPORT ELEVATION 695

ARP 442909.215 -880746.034

OBJECT	LAT	LONG	A	EL	AGL	HAA	MAG BEARING	DISTANCE
ROD ON OL POLE	442918.01	-880744.29	1A	711		16	1017	900
OL ON LTD WSK	442917.44	-880752.26	1A	713		18	33345	948
TREE	442907.62	-880723.39	1A	751		56	9748	1650
ANT ON BLDG	442929.70	-880743.41	1A	738		43	725	2084
ANT AND APBN ON ATCT	442930.26	-880739.50	1A	796		101	1444	2183
LIGHT	442929.50	-880720.73	1A	728		33	4357	2754
ROD ON OL RTR TWR	442935.84	-880721.38	1A	741		46	3543	3235
POLE	442845.59	-880825.67	1A	722		27	23225	3739
TREE	442933.33	-880825.72	1A	780		85	31231	3774
ROD ON OL ASR	442829.87	-880748.07	1A	766		71	18419	3987
TREE	442841.40	-880829.32	1A	735		40	23017	4217
POST	442826.66	-880753.14	1A	679		-16	18901	4340
TREE	443006.30	-880816.45	1A	797		102	34119	6187
TREE	442804.05	-880747.26	1A	722		27	18258	6600
TREE	442953.69	-880622.99	1A	733		38	5523	7518
TREE	442757.86	-880815.02	1A	739		44	19825	7525



AUSTIN STRAUBEL INTERNATIONAL AIRPORT
 GREEN BAY, WISCONSIN
 (NOT TO SCALE)
 (ELEVATIONS AND DISTANCES IN FEET)