

OBSTRUCTION DATA SHEET

**ODS 6403
EAGLE COUNTY REGIONAL AIRPORT
EAGLE, COLORADO**

DIGITIZED FROM

**OC 6403
SURVEYED OCTOBER 1991
4TH EDITION**



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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 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:

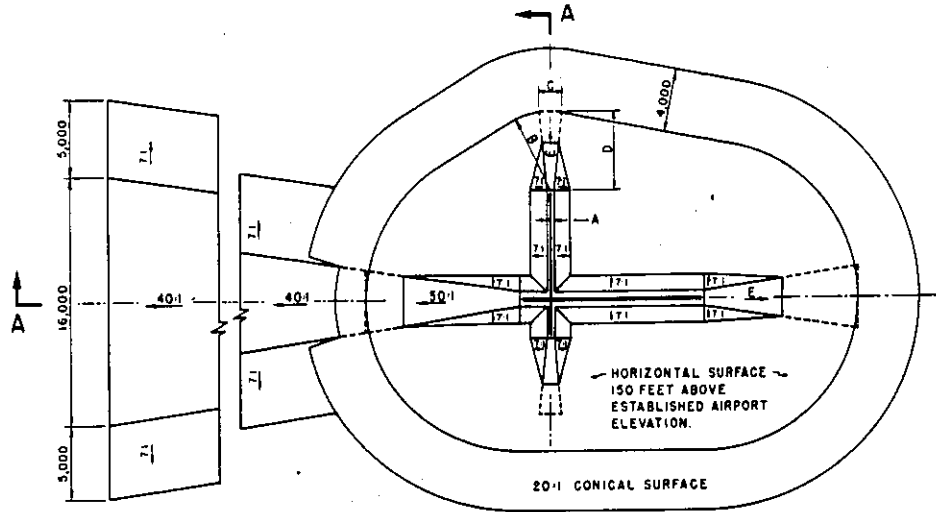
1. Objects located in FAR-77 approach (including supplemental approaches if present) or primary areas are listed with the associated runway (reference runway). For example, all objects in the Runway 9R approach or primary are listed with Runway 9R. Distances to these objects are computed from both the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

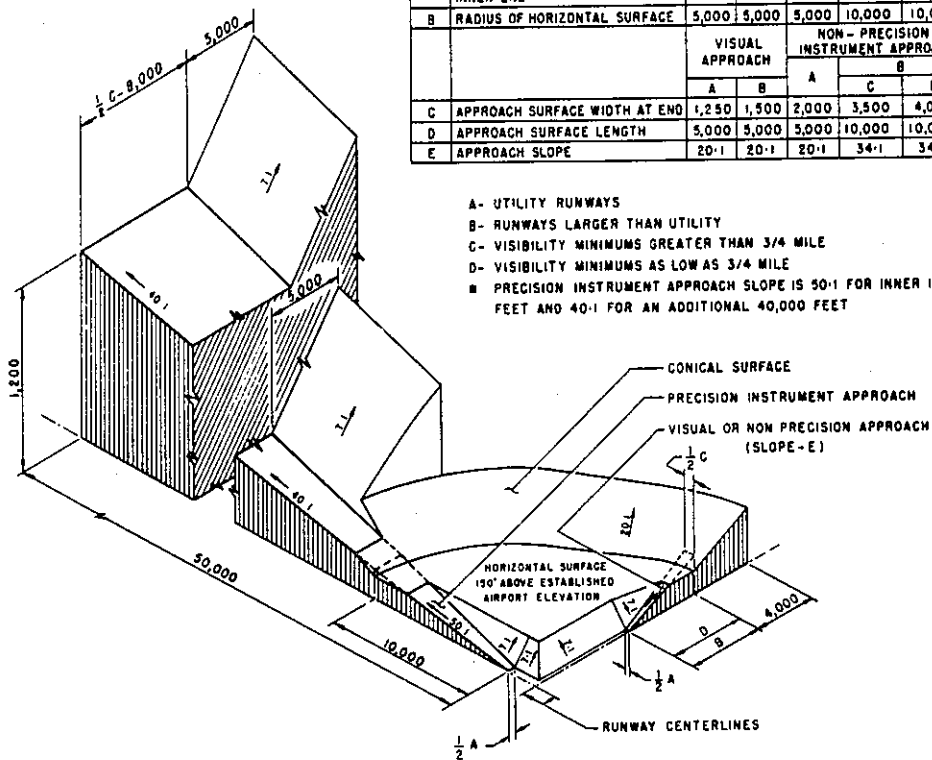
FAR-77 imaginary surface dimensions are defined on page 2 of this report.

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	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

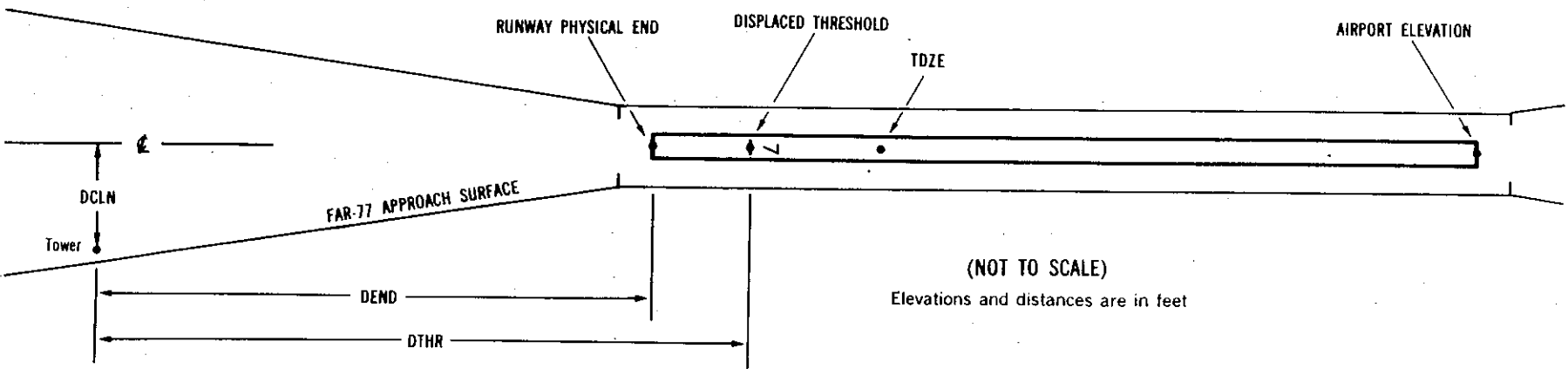
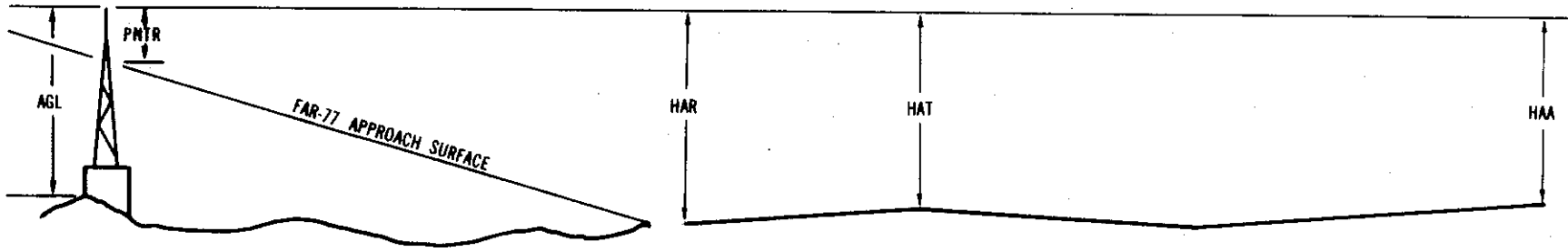
FAR-77 CIVIL AIRPORT
IMAGINARY SURFACES

ANNOTATION OF ODS DATA FORMAT

OC XXXX

AIRPORT ELEVATION XXXX

x ¹	x ²	XXXX/XXXX ³	XXXXXX.XXX ⁴	XXXXXXXX.XXX ⁴	XXXXXXXX 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
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 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).

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AIRPORT ELEVATION 6535

7 SUPLC 6456/6475 393827.753N 1065552.159W 2615549

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	393841.10	1065410.96	1A	6538		82	63	3	-8028		227L	3
WINDSOCK	393831.73	1065540.00	1A	6471		15	-4	-64	-998		265L	9
TANK	393821.02	1065740.47	1B	6714		258	239	179	8485		517L	14
TREE	393823.68	1065741.91	1B	6757		301	282	222	8559		798L	55
TREE	393812.13	1065754.50	1B	6862		406	387	327	9698		220R	127
POLE	393815.88	1065755.55	1B	6887		431	412	352	9726		168L	151
TREE	393821.83	1065801.09	1B	6959		503	484	424	10071		825L	213

25 C 6535/6535 393838.836N 1065410.938W 0815653

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
WINDSOCK	393831.73	1065540.00	1A	6471		-64	-64	-64	-6999		265R	9
GROUND	393841.10	1065410.96	1A	6538		3	3	3	31		227R	3

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AIRPORT ELEVATION 6535

ARP 393833.298N 1065501.550W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG	BEARING	DISTANCE
OL WINDSOCK	393838.21	1065456.71	1A	6510		-25	25	24	625
ROD ON OL ANEMOMETER	393839.68	1065449.66	1A	6521		-14	43	20	1132
ANTENNA ON RTR TOWER	393845.99	1065442.52	1A	6552		17	37	19	1966
OL LOCALIZER	393833.81	1065528.77	1A	6469		-66	259	30	2130
OL ON DME	393836.36	1065529.08	1A	6477		-58	266	18	2176
TREE	393810.98	1065537.71	1B	6735		200	219	31	3620
TREE	393819.92	1065545.90	1A	6526		-9	236	47	3724
POLE	393804.33	1065535.59	1B	6713		178	210	21	3961
WINDSOCK	393842.43	1065410.32	1A	6552		17	65	7	4112
POLE	393805.52	1065415.45	1B	6684		149	116	1	4572
TREE	393922.02	1065449.85	1B	6947		412	358	37	5014
BUSH	393757.78	1065546.68	1B	6800		265	212	36	5038
TREE	393923.77	1065533.36	1B	6900		365	322	8	5680
TREE	393819.34	1065350.36	1B	6705		170	92	19	5745
TREE	393740.78	1065431.96	1B	6769		234	144	34	5796
TREE	393931.25	1065511.78	1B	6986		451	340	20	5918
POLE	393805.83	1065354.56	1B	6716		181	106	2	5932
TREE	393739.44	1065534.38	1B	6780		245	193	21	6024
TREE	393923.79	1065419.66	1B	6745		210	20	46	6069
GROUND	393928.50	1065533.26	1B	6961		426	324	9	6112
TREE	393754.19	1065400.14	1B	6715		180	117	34	6224
POLE	393822.84	1065341.70	1B	6700		165	87	43	6336
TREE	393732.95	1065431.75	1B	6812		277	147	12	6536
TREE	393732.78	1065531.94	1B	6825		290	189	20	6569
TREE	393939.00	1065442.53	1B	7011		476	0	43	6813
TREE	393942.63	1065430.71	1B	7007		472	7	4	7419
TREE	393933.26	1065613.11	1B	6889		354	305	25	8255
BUSH	393732.18	1065612.86	1B	6791		256	210	10	8329
TREE	393722.56	1065357.13	1B	6928		393	132	57	8754
TREE	393948.42	1065400.35	1B	7045		510	20	18	8983
TREE	393708.08	1065541.56	1B	7045		510	188	3	9173
TREE	393931.62	1065634.80	1B	6779		244	297	5	9382
TREE	394008.21	1065503.16	1B	7267		732	347	21	9604

AIRPORT ELEVATION 6535

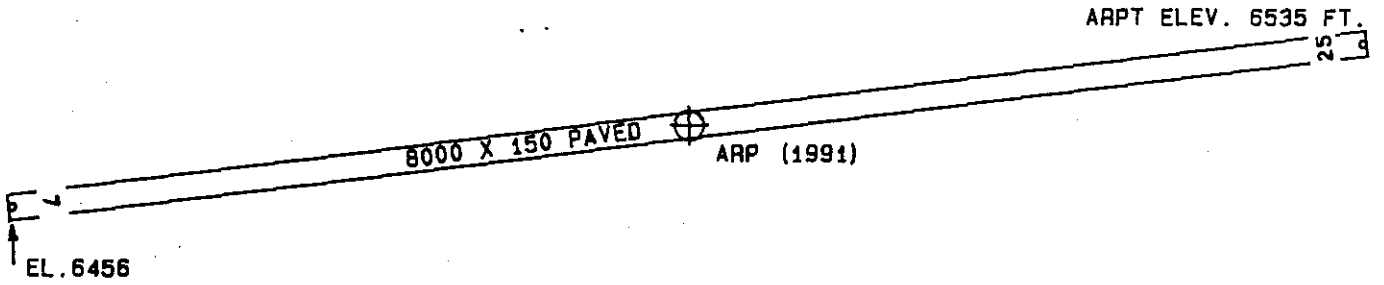
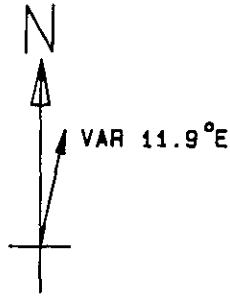
ARP 393833.298N 1065501.550W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG	BEARING	DISTANCE
TREE	393658.75	1065522.07	1B	7068		533	177	38	9700
TREE	393928.01	1065650.90	1B	6757		222	291	1	10189
TREE	393745.68	1065306.46	1B	7116		581	106	15	10213
TREE	393921.28	1065306.66	1B	6789		254	49	43	10214
TREE	393936.77	1065319.58	1B	6990		455	39	15	10241
TREE	393751.83	1065301.58	1B	7116		581	102	10	10281
TREE	394013.85	1065538.00	2C	7452		917	332	27	10566
TREE	393800.34	1065252.07	1B	7144		609	96	19	10664
TREE	393937.03	1065653.55	1B	7033		498	294	28	10878
TREE	393952.44	1065324.35	1B	7051		516	31	36	11042
TREE	393829.33	1065240.43	1B	6917		382	80	10	11047
TREE	393808.36	1065244.00	1B	7229		694	91	17	11053
TREE	393812.50	1065242.36	1B	7223		688	89	1	11091
TREE	393826.03	1065235.10	1B	7017		482	81	46	11481
BUSH	393647.98	1065600.38	2C	7093		558	191	28	11608
TREE	393942.10	1065252.42	1B	6915		380	43	31	12267
TREE	394041.28	1065506.35	2C	7561		1026	346	26	12955
BUSH	393937.16	1065732.95	2C	6875		340	286	44	13491
TREE	393619.76	1065503.39	2C	7273		738	168	43	13512
TREE	394040.05	1065558.94	2C	7555		1020	328	49	13588
TREE	394003.74	1065712.04	2C	7177		642	299	59	13708
TREE	393822.15	1065804.22	2C	7006		471	253	36	14335
BUSH	394003.01	1065728.51	2C	7031		496	296	25	14647
POLE	393813.50	1065809.46	2C	7071		536	250	21	14836
TREE	393625.76	1065321.10	2C	7435		900	136	45	15109
TREE	393958.20	1065748.16	2C	6885		350	291	31	15608
TREE	393846.43	1065823.75	2C	7162		627	262	55	15873
OL ON TOWER	393839.03	1065135.20	2C	7057		522	76	1	16153
POLE	393809.71	1065826.80	2C	7333		798	249	40	16234
TREE	393827.23	1065831.87	2C	7615		1080	255	59	16465
OL TOWER	393833.31	1065833.35	2C	7716		1181	258	7	16569
TREE	393744.59	1065824.31	2C	7238		703	240	52	16611
TREE	394028.26	1065228.08	2C	7535		1000	33	59	16715

OC6403 File Continued from Previous Page

AIRPORT ELEVATION 6535

ARP	393833.298N	1065501.550W							
OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE	
TREE	393752.63	1065829.34	2C	7694		1159	243 55	16770	
TREE	393825.67	1065116.76	2C	7252		717	80 36	17602	



TOUCHDOWN ZONE RUNWAY ELEVATION	
7	6475
25	6535

EAGLE COUNTY REGIONAL AIRPORT
EAGLE , COLORADO
(NOT TO SCALE)