

OBSTRUCTION DATA SHEET

**ODS 6338
CRAIG - MOFFAT AIRPORT
CRAIG, COLORADO**

DIGITIZED FROM

**OC 6338
SURVEYED MAY 1989
1ST EDITION**



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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:

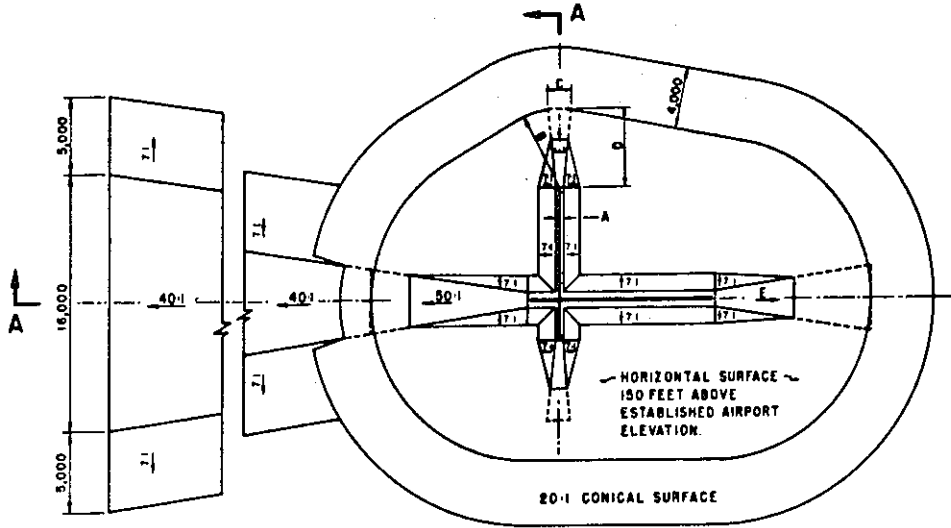
1. Objects located in FAR-77 approach (including supplemental approaches if present) or primary areas are listed with the associated runway (reference runway). For example, all objects in the Runway 9R approach or primary are listed with Runway 9R. Distances to these objects are computed from both the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

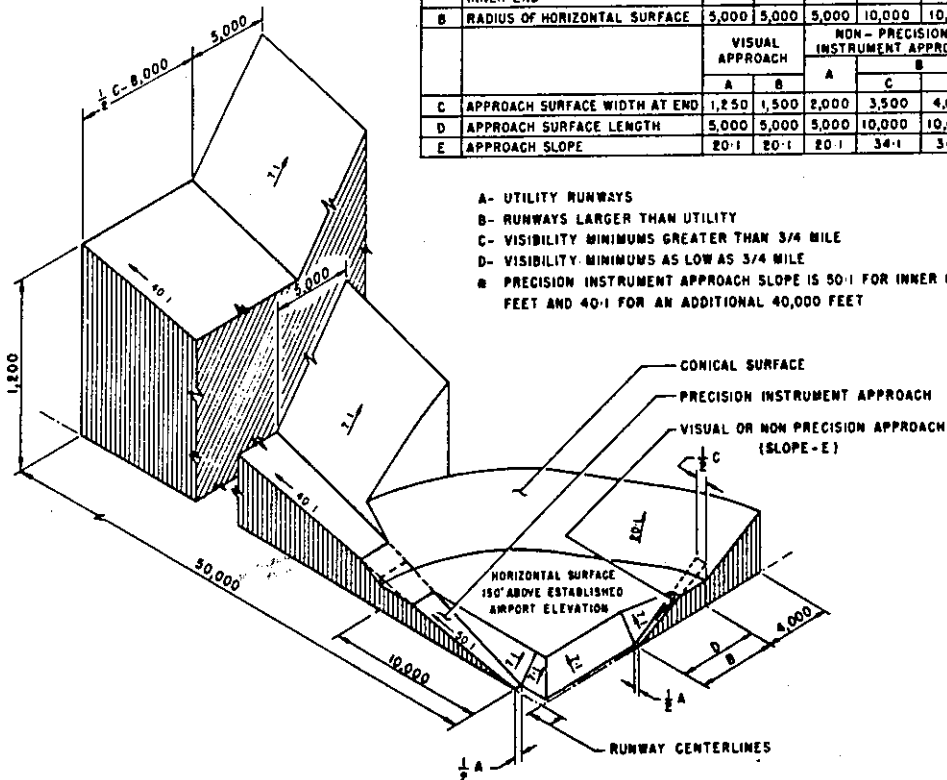
A(V) Utility runway - visual approach only
 A(NP) Utility runway - nonprecision instrument approach
 B(V) Nonutility runway - visual approach only
 C Nonutility runway - nonprecision instrument approach with
 visibility minimums greater than 3/4 mile
 D Nonutility runway - nonprecision instrument approach 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	B	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
C	APPROACH SURFACE WIDTH AT END	VISUAL APPROACH		NON-PRECISION INSTRUMENT APPROACH		PRECISION INSTRUMENT APPROACH	
		A	B	A	B	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

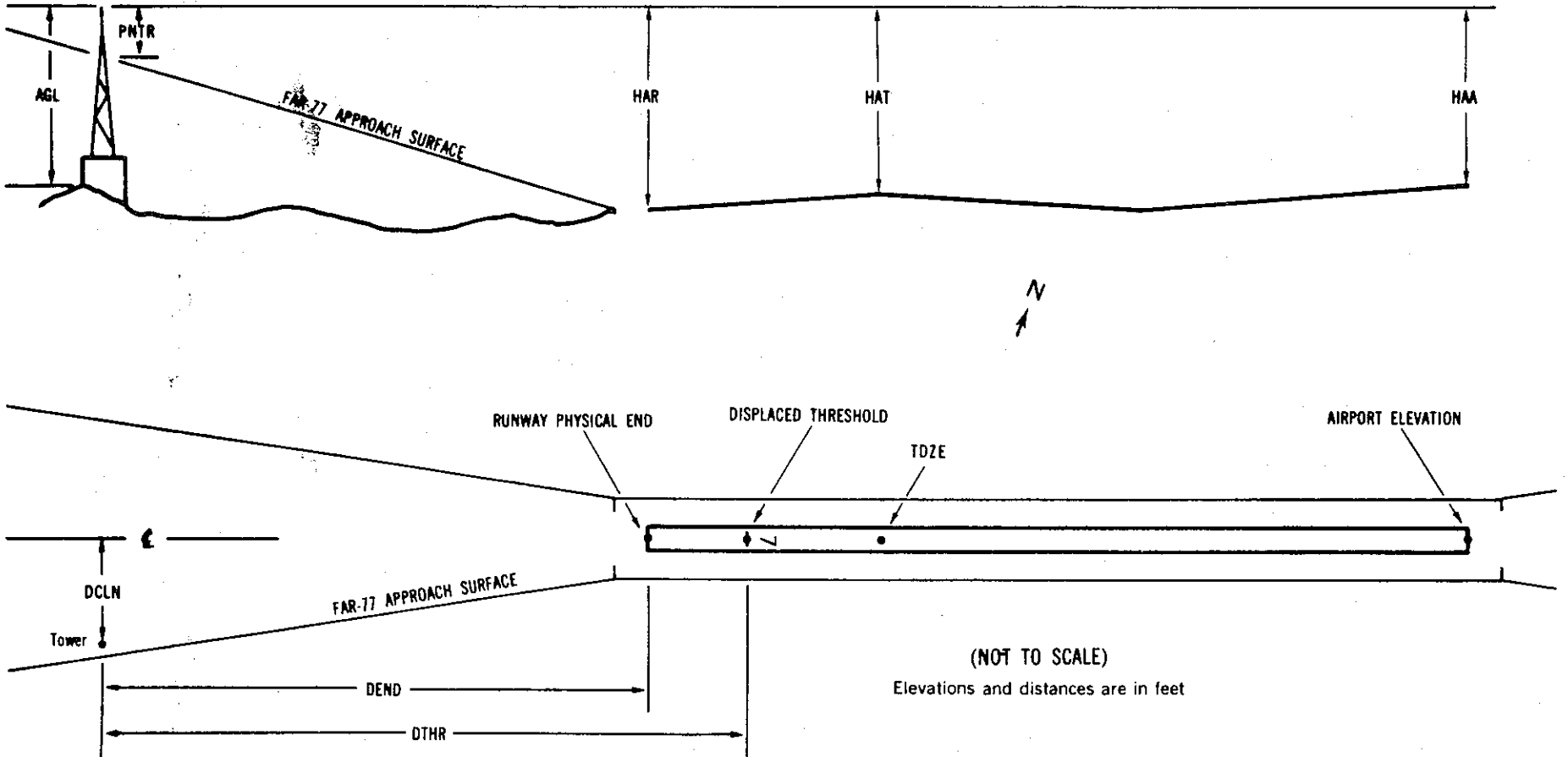
FAR-77 CIVIL AIRPORT
IMAGINARY SURFACES

ANNOTATION OF ODS DATA FORMAT

OC XXXX

AIRPORT ELEVATION XXXX

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
XXXXXXXXXXXX	XXXXXX.XXX	XXXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXXX	XXXX
XXXXXXXXXXXX	XXXXXX.XXX	XXXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXXX	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).

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AIRPORT ELEVATION 6193

7 C 6182/6188 402939.483N 1073151.744W 2625844

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
BUSH	402945.47	1073037.90	1A	6197		15	9	4	-5736		96R	4
BUSH	402942.39	1073108.86	1A	6197		15	9	4	-3324		112R	8
TREE	402945.48	1073111.40	1A	6217		35	29	24	-3168		222L	29
BUSH	402941.64	1073156.79	1A	6190		8	2	-3	360		265L	3
TREE	402933.31	1073209.78	1A	6232		50	44	39	1460		449R	13
TREE	402931.89	1073217.09	1A	6249		67	61	56	2038		523R	13
GROUND	402924.20	1073256.70	1A	6345		163	157	152	5171		921R	17
GROUND	402922.57	1073302.54	1A	6360		178	172	167	5638		1029R	18
POLE	402925.62	1073359.49	1A	6389		207	201	196	9967		184R	-80

25 C 6193/6193 402946.246N 1073039.751W 0825931

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	402945.48	1073111.40	1A	6217		24	24	24	-2436		222R	29
BUSH	402942.39	1073108.86	1A	6197		4	4	4	-2280		112L	8
BUSH	402945.47	1073037.90	1A	6197		4	4	4	132		96L	4
ROAD (N)	402943.92	1073035.52	1A	6207		14	14	14	296		274L	11
ROAD (N)	402949.36	1073035.93	1A	6207		14	14	14	332		276R	10
TREE	402950.14	1073028.68	1A	6245		52	52	52	897		287R	31
TREE	402951.83	1073024.18	1A	6264		71	71	71	1263		414R	40
TREE	402951.07	1073020.21	1A	6246		53	53	53	1558		301R	13
POLE	402945.26	1072908.66	1B	6343		150	150	150	6973		957L	-49

OC6338

AIRPORT ELEVATION 6193

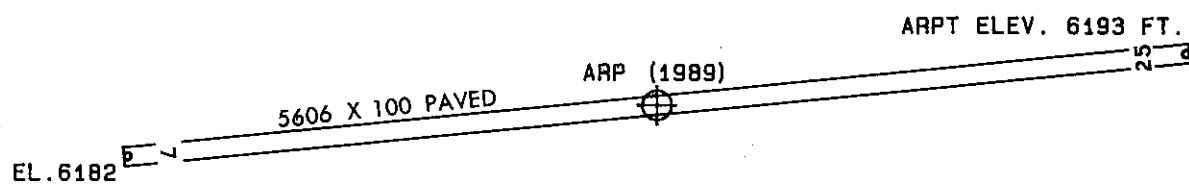
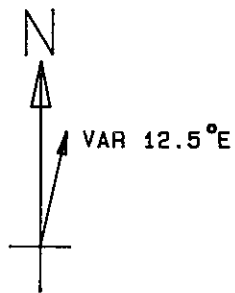
ARP 402942.866N 1073115.748W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG	BEARING	DISTANCE
TREE	402945.54	1073116.57	1A	6214		21	334	23	278
TREE	402940.40	1073109.97	1A	6201		8	106	45	512
LIGHTED WINDSOCK	402938.14	1073118.75	1A	6210		17	193	22	531
HANGAR	402937.88	1073107.10	1A	6210		17	114	34	837
ANTENNA	402934.55	1073122.51	1A	6225		32	199	20	991
TREE	402947.09	1073129.14	1A	6204		11	279	55	1120
BUSH	402938.32	1073132.04	1A	6193		0	237	27	1340
TREE	402949.12	1073100.04	1A	6234		41	49	58	1368
TREE	402941.88	1073051.69	1A	6230		37	80	34	1861
BUSH	402947.76	1073052.44	1A	6195		2	62	6	1867
TREE	402943.32	1073157.10	1A	6203		10	258	20	3195
TREE	402951.28	1073027.69	1A	6264		71	64	35	3809
POLE	402905.41	1073108.28	1B	6371		178	158	51	3834
POLE	402905.67	1073134.34	1B	6419		226	188	24	4029
BUSH	402856.25	1073134.01	1B	6498		305	184	9	4924
BUSH	402854.23	1073117.88	1B	6519		326	169	25	4925
POST	402911.17	1073206.03	1B	6412		219	217	58	5038
POLE	402904.95	1073027.94	1B	6403		210	123	35	5327
BUSH	402859.85	1073033.35	1B	6421		228	130	32	5448
BUSH	402917.42	1073220.22	1B	6399		206	230	10	5608
PIPE	402909.51	1073215.16	1B	6429		236	221	11	5698
POLE	402838.87	1073107.75	1B	6611		418	162	3	6506
POLE	402918.76	1072942.03	1B	6423		230	96	6	7641
POLE	402839.98	1073217.80	1B	6442		249	204	30	7968
POLE	402904.44	1072941.93	1B	6459		266	105	42	8226
POLE	403057.20	1073017.41	1B	6395		202	18	25	8769
POLE	402840.31	1073237.93	1B	6407		214	212	36	8967
POLE	402837.65	1072952.52	1B	6552		359	123	14	9215
POLE	402906.72	1073308.30	1B	6457		264	234	42	9435
POLE	403116.92	1073125.98	1B	6486		293	342	45	9551
POLE	403117.03	1073138.33	1B	6474		281	337	8	9688
POLE	403048.17	1072941.26	1B	6381		188	35	20	9846
ANTENNA ON BUILDING	402812.90	1073210.60	1B	6503		310	192	28	10042

AIRPORT ELEVATION 6193

ARP 402942.866N 1073115.748W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
BUSH	402933.82	1072905.03	1B	6613		420	82 40	10141
POLE	402812.62	1073016.59	1B	6606		413	140 54	10212
BUSH	403124.16	1073126.32	2C	6529		336	342 57	10283
BUSH	402802.02	1073045.48	2C	6610		417	154 35	10469
POLE	402800.09	1073059.19	2C	6762		569	160 29	10479
POLE	402846.21	1073310.01	1B	6545		352	224 31	10527
SOLAR PANEL ON HOUSE	403127.66	1073146.13	2C	6493		300	335 2	10862
POLE	403132.44	1073051.34	2C	6550		357	357 9	11248
POLE	402900.99	1072853.37	1B	7011		818	98 33	11789
POLE	402906.36	1073341.78	2C	6444		251	239 23	11872
TRANSMISSION TOWER	402809.27	1073251.64	2C	6610		417	205 33	12025
TRANSMISSION TOWER	402839.65	1073327.99	1B	6628		435	225 28	12056
POLE	402748.29	1073016.87	2C	6671		478	146 4	12456
BUSH	402752.55	1073002.09	2C	6801		608	140 29	12531
BUSH	402937.90	1072832.05	1B	6495		302	79 46	12658
TREE	402757.68	1072945.59	2C	6836		643	134 17	12721
POLE	403147.80	1073051.31	2C	6616		423	355 59	12783
BUSH	403115.26	1072921.56	2C	6517		324	30 49	12854
POLE	402916.80	1072832.70	2C	7016		823	89 19	12871
GROUND	403146.27	1073033.00	2C	6595		402	2 18	12918
GROUND	403142.08	1073013.92	2C	6617		424	9 5	12975
TANK	402828.07	1072858.88	2C	6749		556	113 5	13006
TRANSMISSION TOWER	402740.66	1073217.57	2C	6704		511	188 38	13257
POLE	402733.42	1073045.25	2C	6762		569	157 18	13310
POLE	402905.82	1073404.36	2C	6453		260	241 28	13557
POLE	402925.54	1073412.95	2C	6385		192	250 13	13803
POLE	402728.05	1073032.41	2C	6748		555	153 42	14048
ANTENNA	403127.61	1073316.77	2C	6552		359	306 6	14133
BUSH	403129.92	1072910.89	2C	6592		399	29 10	14504
TRANSMISSION TOWER	402720.68	1073153.50	2C	6741		548	178 58	14682
TRANSMISSION TOWER	402849.17	1073422.12	2C	6553		360	236 51	15392
PIPE ON TANK	402820.22	1072821.95	2C	6949		756	109 24	15821



TOUCHDOWN ZONE RUNWAY ELEVATION	
7	6188
25	6193

CRAIG - MOFFAT AIRPORT
CRAIG, COLORADO
(NOT TO SCALE)