OBSTRUCTION DATA SHEET

ODS 81
CHICAGO MIDWAY AIRPORT
CHICAGO, ILLINOIS

DIGITIZED FROM

OC 81
SURVEYED NOVEMBER 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).

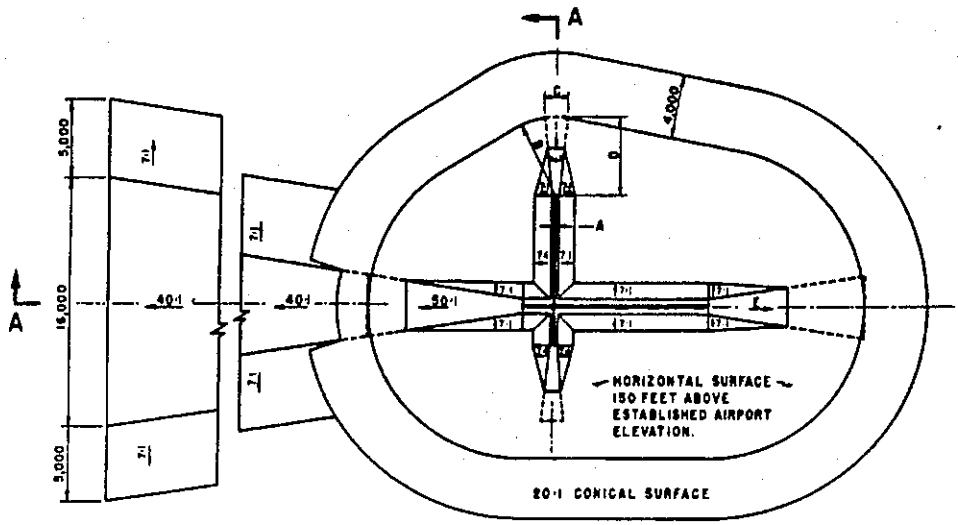
2. All objects not included in "1" above are listed with the Airport Reference Point (ARP).

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:

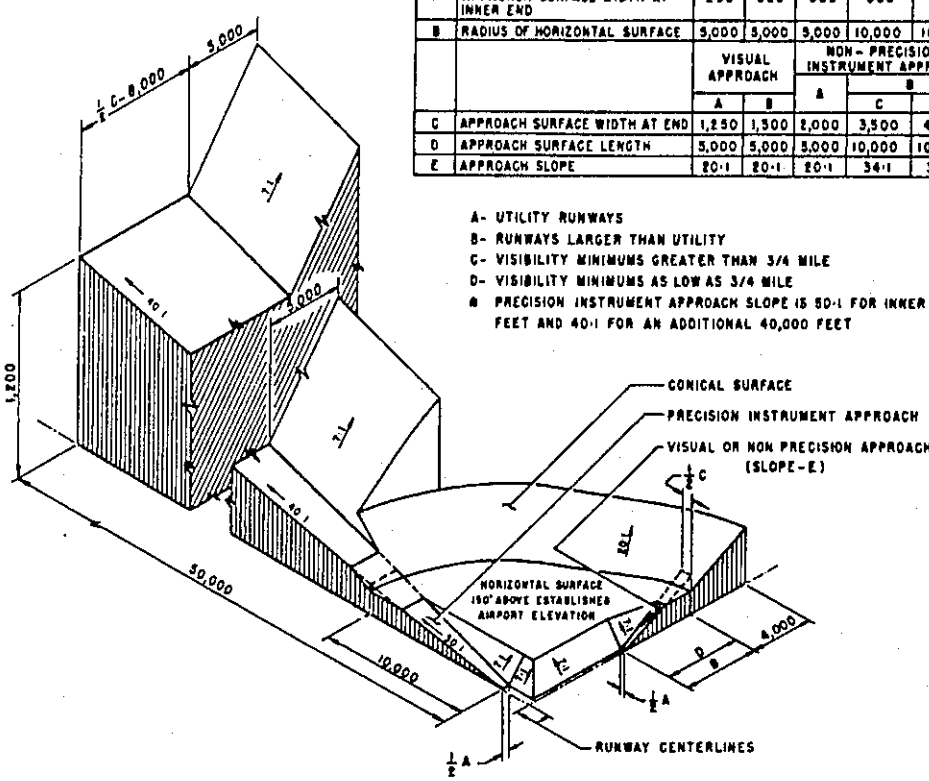
A(V) ..... Utility runway - visual approach only
A(NP) .... Utility runway - nonprecision instrument approach
B(V) ..... Nonutility runway - visual approach only
C ..... Nonutility runway - nonprecision instrument approach with visibility minimums greater than 3/4 mile
D ..... Nonutility runway- nonprecision 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	B: C	B: 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	B: C	B: 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]	XXXXXXX.XXX[4]	XXXXXXX[5]		XXXX/XXXX[6]	XXXXXX.XXX[7]	XXXXXXX.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]
XXXXXXXXXXX			XXXXXX.XXX	XXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX
XXXXXXXXXXX			XXXXXX.XXX	XXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX

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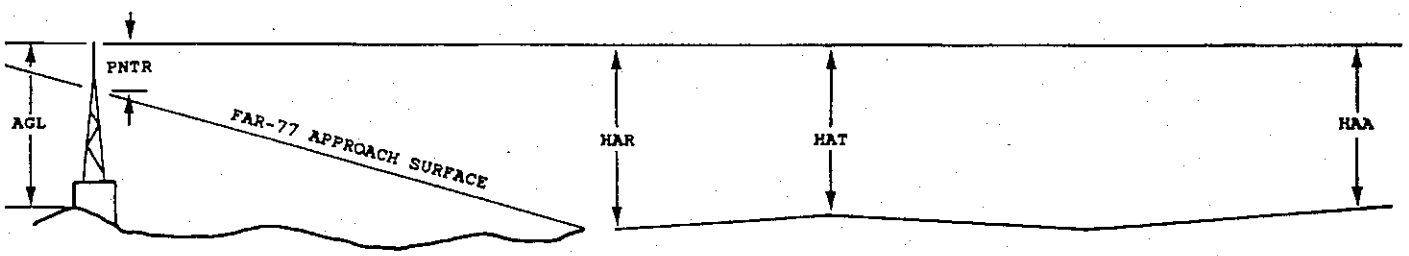

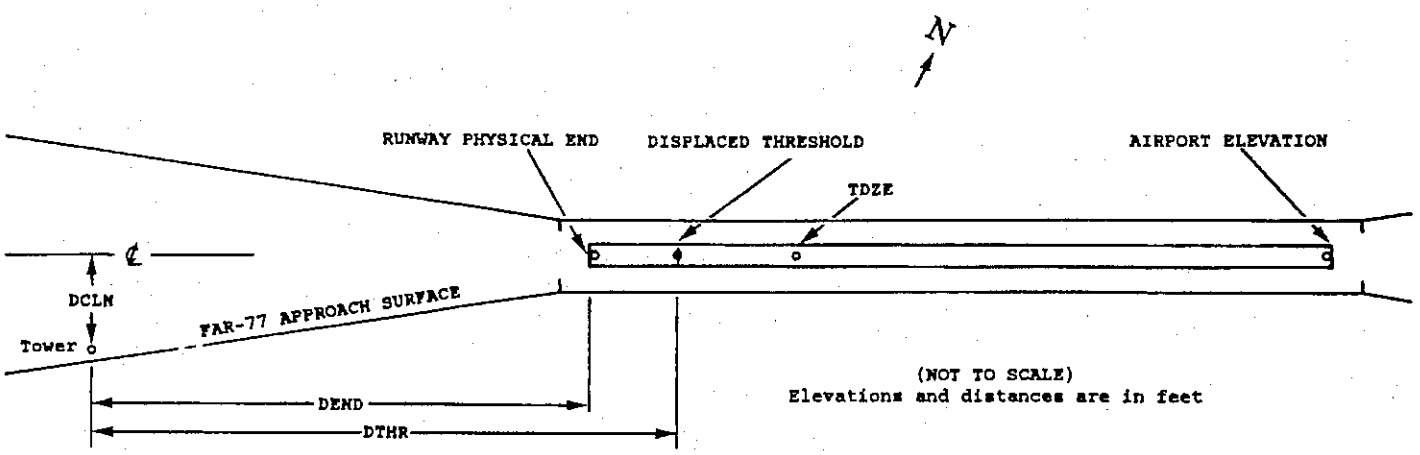

EXPLANATION OF FOOTNOTES

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 <u>appearing on the OC</u> 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).

OC0081

AIRPORT ELEVATION 620

13C PIR 607/ 414729.663 -874539.849 1333307. 609/ 611 414726.516 -874535.425

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON LT POLE	414646.08	-874432.98	1A	645		38	34	25	-6711	-6249	294L	33
OL ON LTD WSK	414650.82	-874449.95	1A	621		14	10	1	-5449	-4986	244R	8
OL ON GS MONITOR	414651.56	-874453.43	1A	633		26	22	13	-5206	-4744	371R	20
OL ON GS	414653.49	-874456.10	1A	662		55	51	42	-4925	-4462	370R	49
OL ON LTD WSK	414717.94	-874528.16	1A	616		9	5	-4	-1459	-997	250R	7
OL ON GS	414717.93	-874530.45	1A	653		46	42	33	-1334	-871	370R	44
OL ON GS MONITOR	414719.79	-874533.05	1A	629		22	18	9	-1062	-599	369R	20
OL ON LOC	414731.29	-874542.14	1A	617		10	6	-3	239	702	0R	9
LT POLE	414733.62	-874539.48	1A	636		29	25	16	256	718	310L	27
TREE	414735.80	-874539.75	1A	652		45	41	32	422	885	455L	40
TREE	414729.22	-874548.81	1A	662		55	51	42	461	923	501R	49
TREE	414731.06	-874550.71	1A	672		65	61	52	694	1156	464R	55
LT POLE	414734.21	-874547.04	1A	632		25	21	12	712	1174	42R	14
TREE	414738.49	-874542.56	1A	678		71	67	58	764	1226	506L	59
TREE	414735.38	-874554.46	1A	668		61	57	48	1201	1663	343R	41
TREE	414742.75	-874553.65	1A	665		58	54	45	1671	2133	240L	28
SPIRE	414739.68	-874607.32	1A	682		75	71	62	2206	2669	699R	34
TREE	414750.45	-874556.86	1A	670		63	59	50	2384	2846	637L	19
ROD ON OL STACK	414802.93	-874617.86	1A	699		92	88	79	4407	4869	457L	7
OL ON MCWV TWR	414819.35	-874639.96	1A	746		139	135	126	6765	7227	509L	7

31C PIR 612/ 414645.267 -874437.467 3133348. 612/ 613 414650.003 -874444.119

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON GS MONITOR	414719.79	-874533.05	1A	629		17	16	9	-5460	-4764	369L	20
OL ON GS	414717.93	-874530.45	1A	653		41	40	33	-5188	-4492	370L	44
OL ON LTD WSK	414717.94	-874528.16	1A	616		4	3	-4	-5062	-4367	250L	7
OL ON GS	414653.49	-874456.10	1A	662		50	49	42	-1597	-901	370L	49
OL ON GS MONITOR	414651.56	-874453.43	1A	633		21	20	13	-1315	-620	371L	20
OL ON LTD WSK	414650.82	-874449.95	1A	621		9	8	1	-1073	-377	244L	8
OL ON LT POLE	414646.08	-874432.98	1A	645		33	32	25	190	885	294R	33
OL ON LOC	414643.58	-874435.10	1A	619		7	6	-1	248	944	0R	6
TREE	414640.00	-874436.84	1A	662		50	49	42	402	1098	353L	46
TREE	414644.23	-874429.94	1A	662		50	49	42	485	1181	317R	44
TREE	414638.70	-874420.96	1A	675		63	62	55	1365	2061	380R	40
TREE	414632.78	-874417.42	1A	685		73	72	65	1971	2667	131R	38

OC0081

AIRPORT ELEVATION 620

13L SUPLC 606/ 414732.347 -874528.579 1333306. 606/ 609 414727.221 -874521.375

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ROD ON OL TMOM	414716.42	-874503.29	1A	624		18	15	4	-2499	-1746	152L	16
TREE	414734.71	-874528.31	1A	646		40	37	26	150	903	187L	40
TREE	414735.41	-874530.83	1A	668		62	59	48	337	1090	107L	58
TREE	414735.42	-874535.22	1A	653		47	44	33	579	1332	122R	36
TREE	414735.80	-874539.75	1A	652		46	43	32	854	1607	330R	26
POLE	414740.63	-874536.47	1A	639		33	30	19	1011	1764	196L	9
TREE	414738.49	-874542.56	1A	678		72	69	58	1196	1949	279R	42
POLE	414742.65	-874543.88	1A	655		49	46	35	1558	2311	43R	9
TREE	414747.23	-874542.33	1A	667		61	58	47	1793	2546	374L	14
TREE	414750.45	-874556.86	1A	670		64	61	50	2815	3568	148R	-13
ROD ON OL STACK	414802.93	-874617.86	1A	699		93	90	79	4839	5592	328R	-44
TANK	414818.00	-874620.38	1A	756		150	147	136	6028	6781	647L	-22
OL ON MCWV TWR	414819.35	-874639.96	1A	746		140	137	126	7196	7950	276R	-66

31R SUPLC 609/ 609 414657.343 -874439.389 3133338.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	414734.71	-874528.31	1A	646		37	37	26	-5292		187R	40
ROD ON OL TMOM	414716.42	-874503.29	1A	624		15	15	4	-2643		152R	16
OL ON LT POLE	414655.92	-874433.34	1A	631		22	22	11	431		211R	16
TREE	414651.73	-874430.97	1A	664		55	55	44	854		28R	36
OL ON LT POLE	414649.07	-874433.11	1A	643		34	34	23	922		279L	13
TREE	414649.20	-874428.68	1A	664		55	55	44	1156		38L	27
TREE	414644.69	-874425.29	1A	675		66	66	55	1656		192L	24
TREE	414638.70	-874420.96	1A	675		66	66	55	2313		405L	4
TREE	414632.78	-874417.42	1A	685		76	76	65	2919		654L	-4

OC0081

AIRPORT ELEVATION 620

13R AV 607/ 612 414717.050 -874531.698 1333330.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON GS MONITOR	414719.79	-874533.05	1A	629		22	17	9	265		130L	18
LT POLE	414723.34	-874544.23	1A	631		24	19	11	1127		193R	-23
TREE	414725.19	-874546.63	1A	660		53	48	40	1388		182R	-7
TREE	414729.22	-874548.81	1A	662		55	50	42	1788		1R	-25
TREE	414731.06	-874550.71	1A	672		65	60	52	2021		35L	-26
TREE	414730.27	-874553.24	1A	669		62	57	49	2105		155R	-34
TREE	414735.38	-874554.46	1A	668		61	56	48	2528		157L	-56
SPIRE	414739.68	-874607.32	1A	682		75	70	62	3533		199R	-92

31L AV 613/ 613 414650.777 -874454.787 3133355.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
LT POLE	414641.75	-874443.66	1A	644		31	31	24	1241		82L	-21
TREE	414640.00	-874436.84	1A	662		49	49	42	1737		147R	-28
TREE	414636.18	-874436.17	1A	666		53	53	46	2041		99L	-39

4L SUPLC 618/ 414652.919 -874540.294 432728. 617/ 617 414658.352 -874533.416

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ROD ON OL TMOM	414718.70	-874504.60	1A	623		5	6	3	-3754	-2997	167R	16
TREE	414652.62	-874543.37	1A	655		37	38	35	182	940	149L	37
OL ON FENCE	414651.52	-874542.11	1A	630		12	13	10	197	955	3L	12
TREE	414650.15	-874547.04	1A	683		65	66	63	555	1312	178L	54
TREE	414646.27	-874546.32	1A	681		63	64	61	802	1560	132R	45
TREE	414646.51	-874550.80	1A	671		53	54	51	1018	1776	132L	29
TREE	414634.63	-874559.38	1A	680		62	63	60	2338	3096	223R	-1
BLDG	414626.02	-874615.78	1A	696		78	79	76	3826	4584	79L	-29
TANK	414616.68	-874612.32	1A	728		110	111	108	4332	5089	761R	-12

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AIRPORT ELEVATION 620

22R SUPLC 605/ 414732.422 -874450.271 2232802. 606/ 612 414726.112 -874458.264

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON FENCE	414651.52	-874542.11	1A	630		25	18	10	-5707	-4826	3R	12
TREE	414652.62	-874543.37	1A	655		50	43	35	-5691	-4811	149R	37
ROD ON OL TMOM	414718.70	-874504.60	1A	623		18	11	3	-1755	-875	167L	16
POLE ON BLDG	414735.69	-874450.08	1A	630		25	18	10	250	1130	217R	23
LT POLE	414734.43	-874445.94	1A	633		28	21	13	373	1253	99L	22
TREE	414738.50	-874441.27	1A	656		51	44	36	915	1796	72L	29
TREE	414738.80	-874435.34	1A	644		39	32	24	1246	2127	377L	8
SIGN	414743.81	-874435.43	1A	655		50	43	35	1610	2490	23L	8
TREE	414741.88	-874432.60	1A	667		62	55	47	1616	2496	313L	20
TREE	414745.54	-874427.45	1A	674		69	62	54	2152	3033	341L	11
TREE	414750.34	-874422.64	1A	656		51	44	36	2756	3636	272L	-25

4R PIR 620/ 414644.980 -874533.550 432808. 619/ 619 414648.695 -874528.845

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON POLE	414729.10	-874430.35	1A	627		7	8	7	-6535	-6017	402R	21
LT POLE	414726.93	-874432.24	1A	619		-1	0	-1	-6278	-5759	449R	13
OL ON MLSEL	414724.63	-874450.62	1A	620		0	1	0	-5150	-4632	401L	13
LIGHT	414712.06	-874450.21	1A	636		16	17	16	-4248	-3730	497R	28
OL ON DME	414702.19	-874519.07	1A	655		35	36	35	-2018	-1500	402L	42
ROD ON OL GS	414658.82	-874523.29	1A	660		40	41	40	-1551	-1033	400L	45
OL ON LTD WSK	414649.84	-874522.80	1A	639		19	20	19	-917	-399	253R	22
ROAD(N)	414641.36	-874529.07	1A	633		13	14	13	32	550	499R	13
LT POLE	414640.91	-874531.87	1A	645		25	26	25	211	729	376R	25
OL ON MLSDME AT MLSAZ	414642.18	-874537.10	1A	633		13	14	13	390	909	0R	10
LT POLE	414644.88	-874542.65	1A	648		28	29	28	482	1000	494L	23
SIGN ON BLDG	414640.73	-874537.71	1A	653		33	34	33	529	1047	67R	27
TREE	414637.01	-874534.02	1A	688		68	69	68	610	1128	530R	60
CHY ON BLDG	414642.29	-874543.45	1A	677		57	58	57	713	1232	357L	47
TREE	414636.68	-874539.10	1A	669		49	50	49	899	1417	273R	35
TREE	414637.94	-874544.60	1A	661		41	42	41	1093	1611	118L	24
TREE	414634.30	-874544.61	1A	669		49	50	49	1361	1879	136R	26
TREE	414636.05	-874550.62	1A	669		49	50	49	1545	2064	317L	23
TREE	414632.35	-874552.62	1A	670		50	51	50	1922	2440	169L	16
TREE	414634.63	-874559.38	1A	680		60	61	60	2107	2625	700L	22
ROD ON STACK	414621.82	-874604.05	1A	728		108	109	108	3291	3809	65L	47
BLDG	414626.02	-874615.78	1A	696		76	77	76	3594	4112	1002L	9
TANK	414616.68	-874612.32	1A	728		108	109	108	4100	4618	162L	30

OC0081

AIRPORT ELEVATION 620

22L PIR 606/ 414731.190 -874435.011 2232847. 606/ 611 414726.648 -874440.767

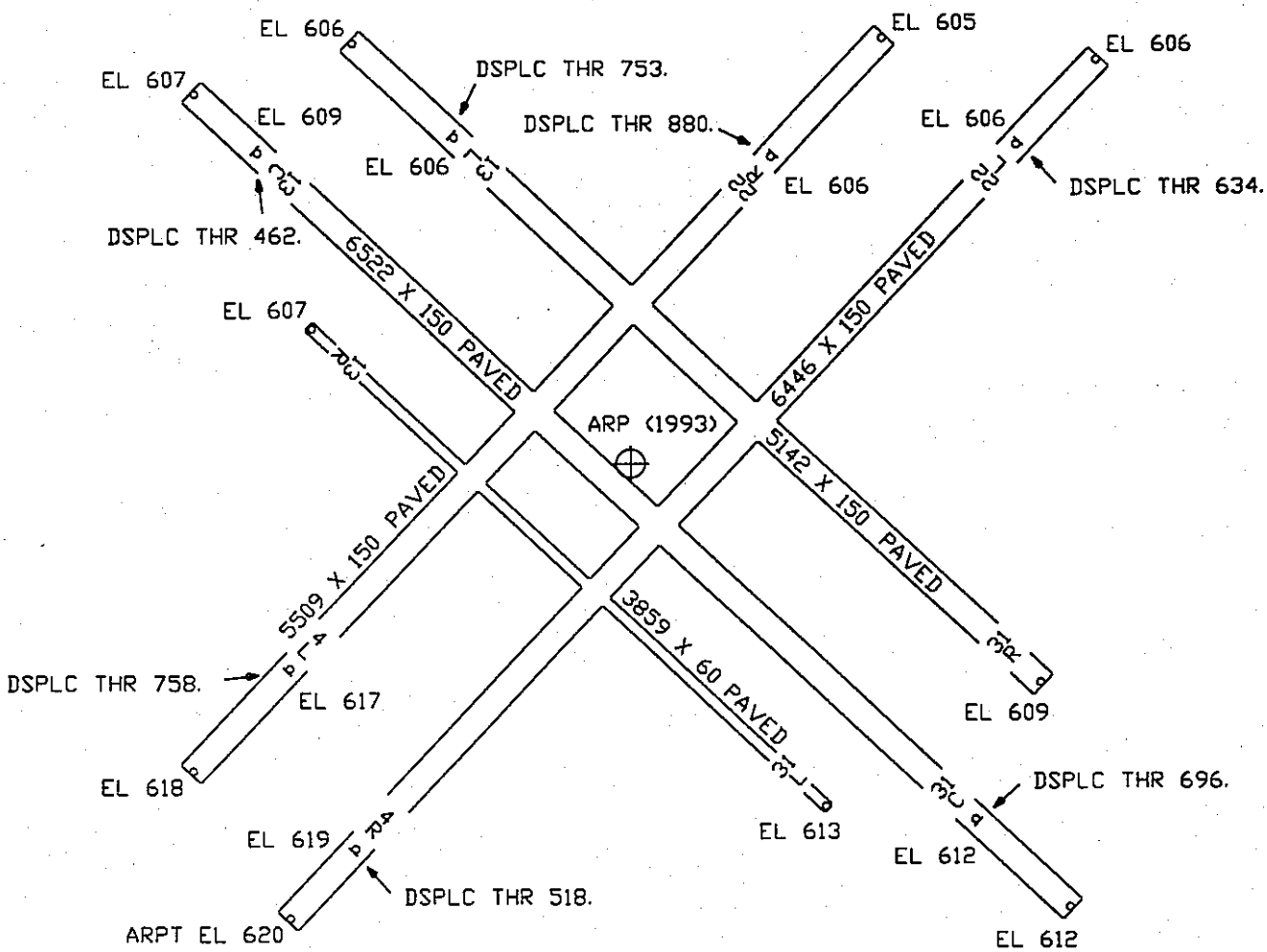
OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ROAD(N)	414641.36	-874529.07	1A	633		27	22	13	-6478	-5844	499L	13
OL ON LTD WSK	414649.84	-874522.80	1A	639		33	28	19	-5528	-4895	253L	22
ROD ON OL GS	414658.82	-874523.29	1A	660		54	49	40	-4894	-4261	400R	45
OL ON DME	414702.19	-874519.07	1A	655		49	44	35	-4427	-3794	402R	42
LIGHT	414712.06	-874450.21	1A	636		30	25	16	-2197	-1564	497L	28
OL ON MLSEL	414724.63	-874450.62	1A	620		14	9	0	-1295	-662	401R	13
LT POLE	414726.93	-874432.24	1A	619		13	8	-1	-168	466	449L	13
OL ON POLE	414729.10	-874430.35	1A	627		21	16	7	89	723	402L	21
OL ON LT POLE	414734.51	-874435.52	1A	631		25	20	11	217	851	259R	25
OL ON LOC	414733.33	-874432.30	1A	614		8	3	-6	298	932	1R	6
OL ON POLE	414734.47	-874431.54	1A	631		25	20	11	422	1056	38R	21
TREE	414738.80	-874435.34	1A	644		38	33	24	542	1175	548R	32
TREE	414732.01	-874424.11	1A	650		44	39	30	628	1262	542L	36
TREE	414737.91	-874431.44	1A	650		44	39	30	680	1314	272R	35
TREE	414737.84	-874424.60	1A	651		45	40	31	1031	1665	109L	29
TREE	414745.54	-874427.45	1A	674		68	63	54	1448	2081	584R	43
TREE	414750.34	-874422.64	1A	656		50	45	36	2051	2685	653R	13
TREE	414748.66	-874403.70	1A	660		54	49	40	2915	3549	504L	0
TREE	414754.54	-874357.14	1A	662		56	51	42	3689	4322	455L	-13
OL TWR ON BLDG	415243.97	-873809.09	2A	2306	1713	1700	1695	1686	43075	43709	614R	678
OL ANT ON BLDG	415306.67	-873717.55	2A	1780	1195	1174	1169	1160	47427	48061	628L	44

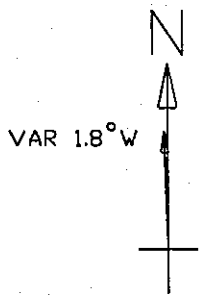
OC0081

AIRPORT ELEVATION 620

ARP 414709.537 -874508.728

OBJECT	LAT	LONG	A	EL	AGL	HAA	MAG BEARING	DISTANCE
OL ON AMOM	414719.09	-874502.28	1A	630		10	2835	1083
OL ON LTD WSK	414720.08	-874459.96	1A	632		12	3341	1257
LIGHT	414704.12	-874441.20	1A	635		15	10632	2157
ANT ON OL ATCT	414712.30	-874440.26	1A	725		105	8425	2174
OL ON POLE	414726.55	-874449.99	1A	629		9	4118	2231
HANGAR	414731.60	-874520.45	1A	669		49	34007	2403
PIPE ON OL HANGAR	414731.53	-874522.01	1A	658		38	33728	2443
OL ON HANGAR	414732.43	-874458.46	1A	675		55	2021	2444
ANT ON OL BLDG	414718.35	-874438.59	1A	681		61	7027	2451
OL ON HANGAR	414701.83	-874539.55	1A	667		47	25320	2462
ROD ON OL BLDG	414659.43	-874541.15	1A	663		43	24911	2661
FENCE	414734.29	-874452.58	1A	616		-4	2749	2789
LIGHT	414643.78	-874449.88	1A	640		20	15305	2972
VENT ON OL BLDG	414643.04	-874526.13	1A	666		46	20758	2989
TREE	414655.24	-874543.32	1A	646		26	24254	2994
TREE	414736.60	-874526.92	1A	659		39	33505	3066
LT POLE	414734.47	-874441.62	1A	633		13	4055	3254
TREE	414653.63	-874548.41	1A	678		58	24337	3410
POLE	414740.67	-874533.37	1A	643		23	33109	3663
TREE	414655.22	-874423.58	1A	668		48	11445	3715
LT POLE	414730.35	-874425.70	1A	635		15	5855	3881
TREE	414736.22	-874415.72	1A	653		33	5752	4839
TREE	414737.57	-874410.18	1A	686		66	5911	5265
ANT ON TANK	414616.51	-874500.65	1A	747		127	17517	5402
ROD ON STACK	414605.82	-874536.87	1A	811		191	20005	6793
ANT ON BLDG	414514.09	-874350.58	1A	794		174	15455	13100





TOUCHDOWN ZONE RUNWAY	ELEVATION
13C	611
31C	613
13L	609
31R	609
13R	612
31L	613
4L	617
22R	612
4R	619
22L	611

CHICAGO MIDWAY AIRPORT

CHICAGO, ILLINOIS

(NOT TO SCALE)

(ELEVATIONS AND DISTANCES IN FEET)