

OBSTRUCTION DATA SHEET

ODS 954
GREATER ROCKFORD AIRPORT
ROCKFORD, ILLINOIS

DIGITIZED FROM

OC 954
SURVEYED NOVEMBER 1993
10TH EDITION

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.

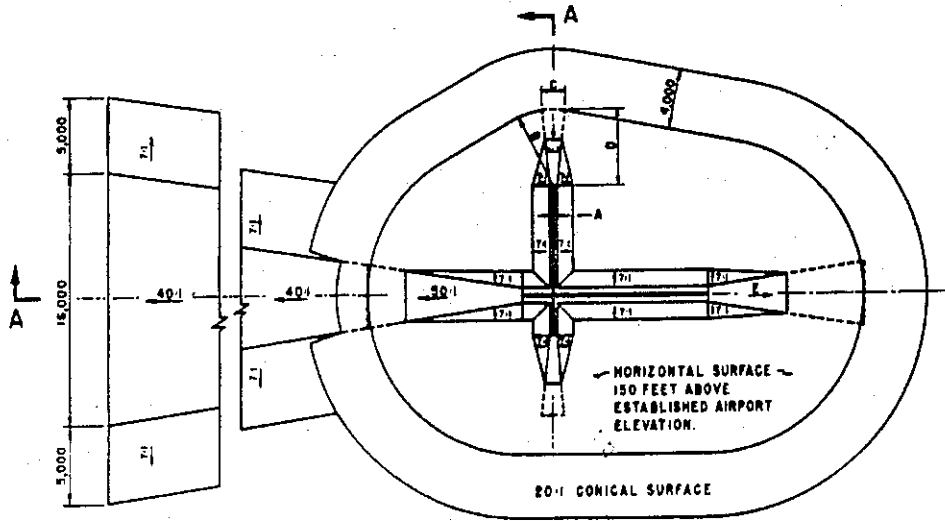
ODS information is arranged as follows:

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:

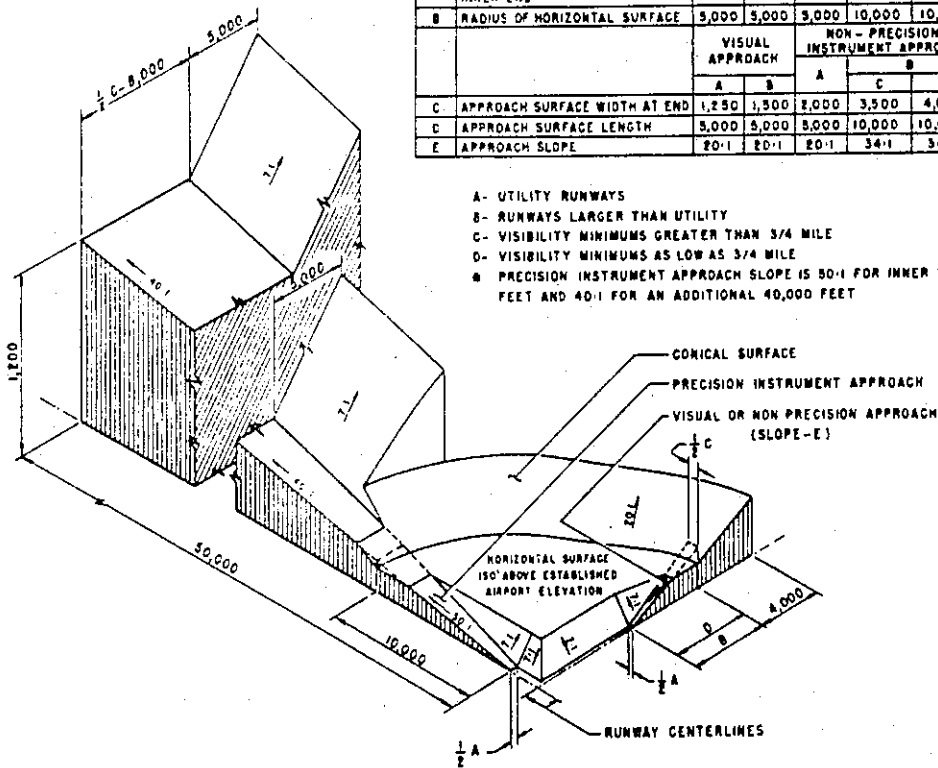
A(V) Utility runway - visual approach only
A(NP) Utility runway - nonprecision instrument approach
B(V) Nonutility runway - visual approach only
C Nonutility runway - nonprecision instrument
approach with visibility minimums greater than
3/4 mile
D Nonutility runway- nonprecision instrument approach
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	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	1,000	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

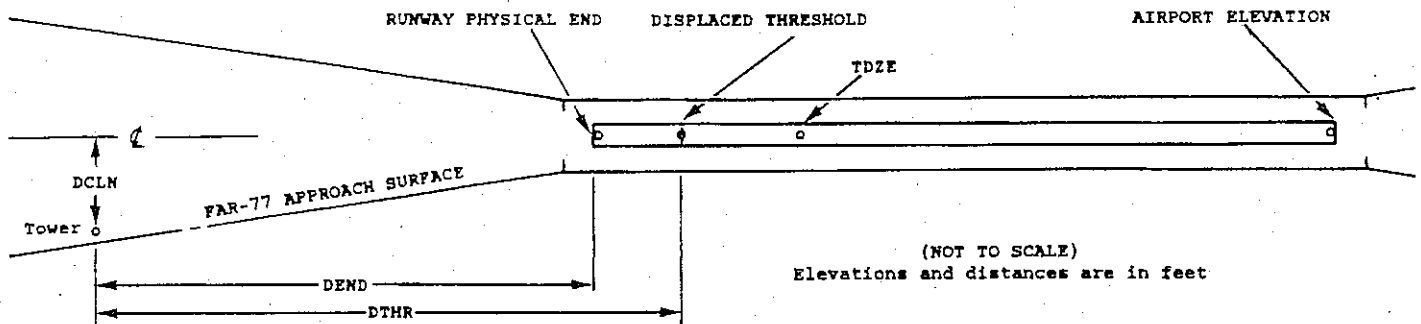
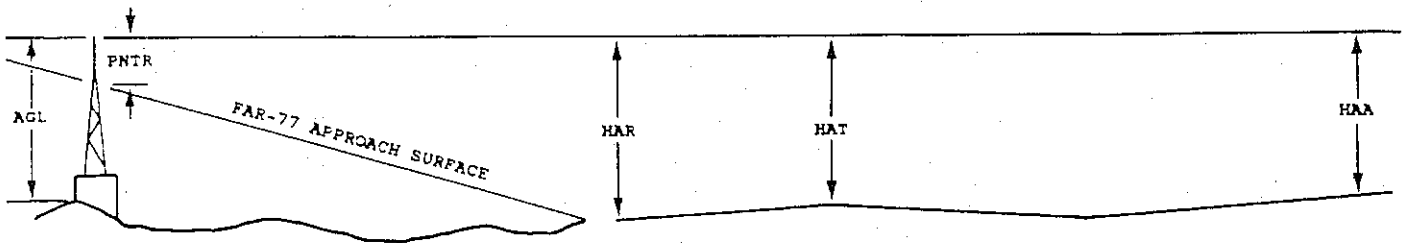
FAR-77 CIVIL AIRPORT
IMAGINARY SURFACES

ANNOTATION OF ODS DATA FORMAT

OC XXXX

AIRPORT ELEVATION XXXX

1	2	3	4	4	5	6	7	7	8	9	10	11	11	11	12	12	12	13
X	X	XXXX/XXXX	XXXXXX.XXX	XXXXXX.XXX	XXXXXX	XXXX/XXXX	XXXXXX.XXX	XXXXXX.XXX	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
XXXXXXXXXXXX			XXXXXX.XXX	XXXXXX.XXX	XX	XXXX	XXXX	XXXX	XXX	XXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX
XXXXXXXXXXXX			XXXXXX.XXX	XXXXXX.XXX	XX	XXXX	XXXX	XXXX	XXX	XXX	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 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).

0C0954

AIRPORT ELEVATION 736

1 PIR 708/ 729 421100.485 -890529.119 52603.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON GS	421110.91	-890522.45	1A	756		48	27	20	-1098		400R	39
ROAD(N)	421054.66	-890522.63	1A	715		7	-14	-21	541		542R	0
ROAD (N)	421053.04	-890530.00	1A	716		8	-13	-20	757		6R	-4
ROD ON BLDG	421052.54	-890524.52	1A	714		6	-15	-22	768		421R	-6
POLE	421048.44	-890532.73	1A	726		18	-3	-10	1239		155L	-3
ROAD (N)	421048.04	-890530.57	1A	721		13	-8	-15	1264		10R	-9
TREE	421041.05	-890525.25	1A	743		35	14	7	1931		476R	0
TREE	421004.13	-890528.99	1A	815		107	86	79	5679		550R	-3

19 C 736/ 736 421221.111 -890518.802 1852610.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON GS	421110.91	-890522.45	1A	756		20	20	20	-7100		400L	39
ROAD (N)	421232.35	-890525.47	1A	752		16	16	16	1085		608R	-10
OL DME	421235.67	-890513.64	1A	752		16	16	16	1504		247L	-22
TREE	421237.20	-890525.52	1A	778		42	42	42	1574		658R	2
LIGHT	421242.24	-890506.97	1A	783		47	47	47	2214		684L	-12
TREE	421247.33	-890522.93	1A	795		59	59	59	2613		561R	-12

13 C 727/ 730 421158.207 -890606.791 1252529.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ROAD (N)	421201.90	-890622.80	1A	742		15	12	6	1199		394R	-14
TREE	421211.00	-890626.40	1A	772		45	42	36	1953		200L	-7

31 C 731/ 731 421134.730 -890522.410 3052559.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
RAILROAD	421132.20	-890510.39	1A	750		19	19	14	886		316R	-1
RAILROAD	421128.88	-890510.62	1A	751		20	20	15	1067		32R	-6
TREE	421126.03	-890507.84	1A	781		50	50	45	1404		82L	14
TREE	421126.42	-890502.92	1A	796		65	65	60	1683		165R	21
TREE	421126.99	-890456.49	1A	812		81	81	76	2044		493R	26

OC0954

AIRPORT ELEVATION 736

7 PIR 722/ 728 421139.212 -890629.448 652507.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
LTD WTEE	421156.34	-890529.20	1A	737		15	9	1	-4845		309R	5
OL ON WSK	421155.96	-890530.09	1A	749		27	21	13	-4768		316R	17
ROD ON OL GS	421139.66	-890616.94	1A	768		46	40	32	-875		350R	43
ROAD(N)	421130.35	-890636.73	1A	734		12	6	-2	872		588R	-1
GROUND	421127.68	-890646.53	1A	747		25	19	11	1655		526R	-4
TREE	421130.93	-890715.44	1A	783		61	55	47	3497		678L	-5
TREE	421128.10	-890719.27	1A	791		69	63	55	3879		537L	-5
TREE	421124.60	-890723.33	1A	802		80	74	66	4304		343L	-2
TREE	421054.57	-890801.18	1A	866		144	138	130	8160		1236R	-15
TREE	421054.67	-890829.89	1A	878		156	150	142	10121		327R	-42

25 C 735/ 735 421205.929 -890510.875 2452559.

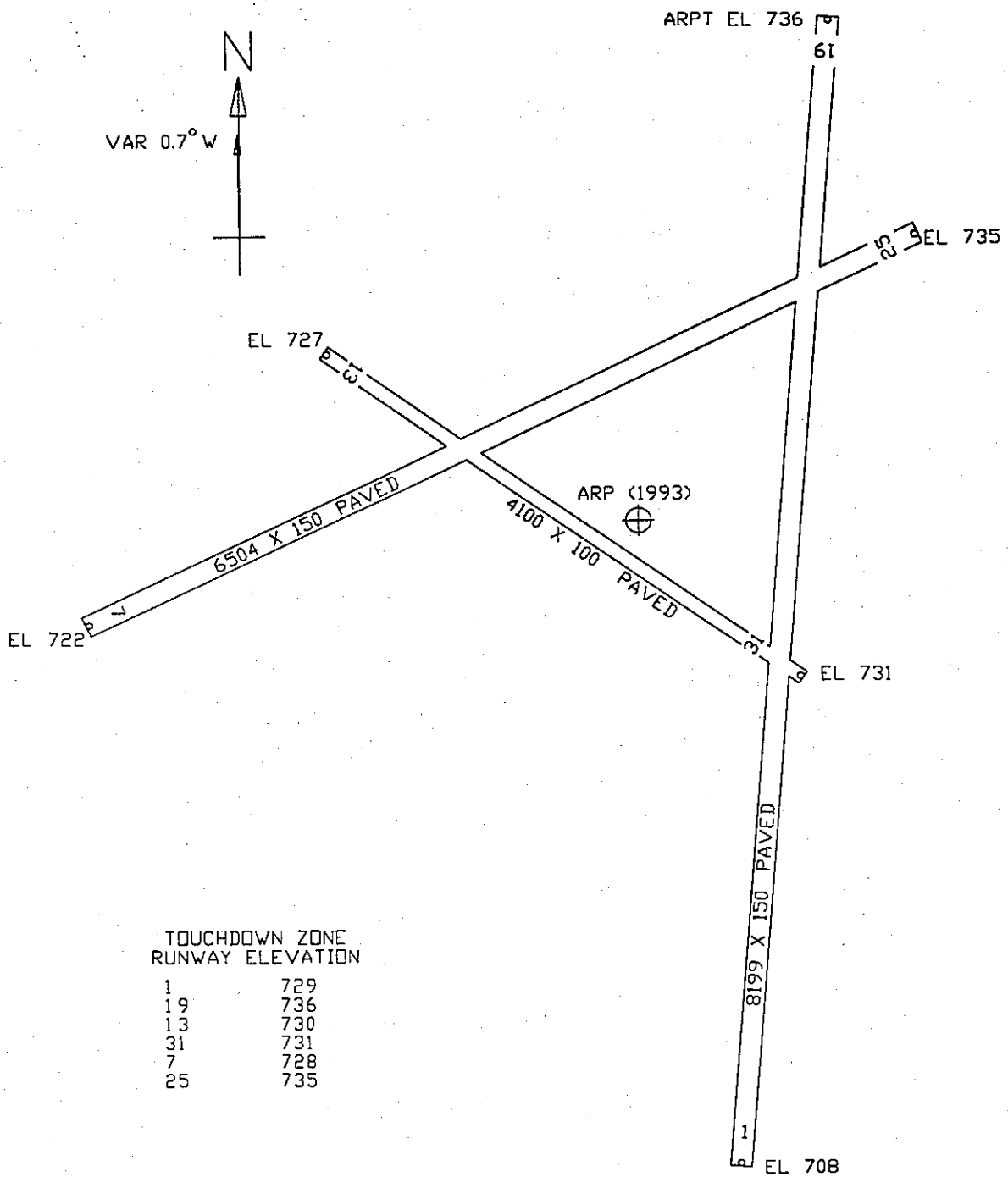
OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ROD ON OL GS	421139.66	-890616.94	1A	768		33	33	32	-5628		350L	43
OL ON WSK	421155.96	-890530.09	1A	749		14	14	13	-1735		316L	17
LTD WTEE	421156.34	-890529.20	1A	737		2	2	1	-1658		309L	5
ROD ON BLDG	421206.04	-890501.78	1A	752		17	17	16	627		275L	4
OL ON LOC	421208.68	-890502.81	1A	744		9	9	8	668		OR	-5
ROAD (N)	421205.94	-890500.35	1A	754		19	19	18	721		328L	4
TREE	421207.17	-890453.79	1A	783		48	48	47	1222		420L	18
TREE	421215.66	-890450.42	1A	784		49	49	48	1810		256R	2

OC0954

AIRPORT ELEVATION 736

ARP 421146.108 -890537.525

OBJECT	LAT	LONG	A	EL	AGL	HAA	MAG	BEARING	DISTANCE
AMOM	421149.51	-890538.81	1A	750		14	34503		358
ROD ON OL AMOM	421135.55	-890536.07	1A	763		27	17450		1075
CHY ON BLDG	421146.92	-890514.29	1A	751		15	8759		1751
ROD ON OL APBN	421154.97	-890509.72	1A	798		62	6729		2277
ANT ON OL ATCT	421155.61	-890510.05	1A	796		60	6545		2280
TREE	421138.85	-890606.32	1A	795		59	25158		2289
LIGHT	421201.62	-890559.88	1A	756		20	31342		2302
TREE	421133.59	-890508.70	1A	778		42	12059		2513
HANGAR	421211.51	-890531.61	1A	777		41	1031		2609
POLE	421118.70	-890516.74	1A	754		18	15116		3185
POLE	421202.81	-890501.01	1A	771		35	5906		3227
TREE	421220.61	-890532.16	1A	792		56	717		3516
TREE	421127.76	-890454.70	1A	829		93	12038		3721
TREE	421128.46	-890453.89	1A	836		100	11914		3739
TREE	421204.52	-890453.99	1A	761		25	6104		3770
ROD ON OL ASR	421155.87	-890626.09	1A	796		60	28549		3787
TREE	421226.89	-890527.88	1A	783		47	1040		4192
TREE	421214.54	-890622.95	1A	777		41	31047		4469
POLE	421139.95	-890648.65	1A	745		9	26404		5390
OL ON HOPPER	421124.23	-890648.55	1A	759		23	24812		5787
TREE	421047.19	-890518.81	1A	762		26	16724		6129
TREE	421039.76	-890545.04	1A	796		60	18530		6740
OL ANT	421243.93	-890415.67	1A	888		152	4709		8498
TRMSN TWR	421308.97	-890325.43	1A	903		167	5031		13008
TRMSN TWR	421309.01	-890317.35	1A	898		162	5211		13481
OL TWR	421331.33	-890251.95	1A	1007		271	5009		16394



GREATER ROCKFORD AIRPORT
 ROCKFORD, ILLINOIS
 (NOT TO SCALE)
 (ELEVATIONS AND DISTANCES IN FEET)