OBSTRUCTION DATA SHEET

ODS 604
SPRINGFIELD REGIONAL AIRPORT
SPRINGFIELD, MISSOURI

DIGITIZED FROM

OC 604
SURVEYED NOVEMBER 1989
11TH 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).

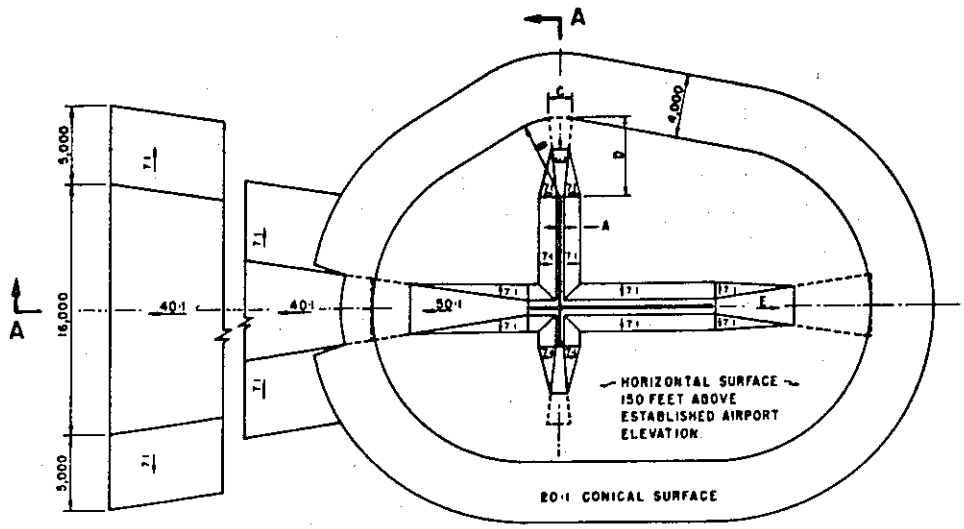
3. Runway configuration and runway lengths, widths, and elevations are presented on the ODS last page.

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)

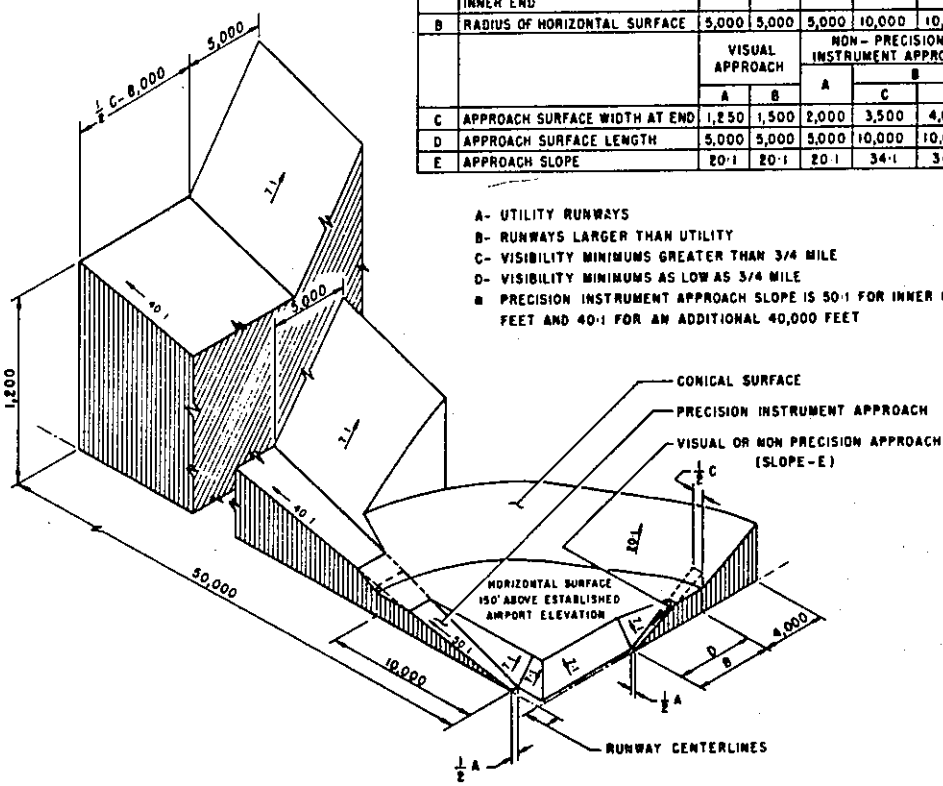
FAR-77 imaginary surface dimensions are defined on page 2 of this report.

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
					B		
		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
					B		
		A	B	A	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] 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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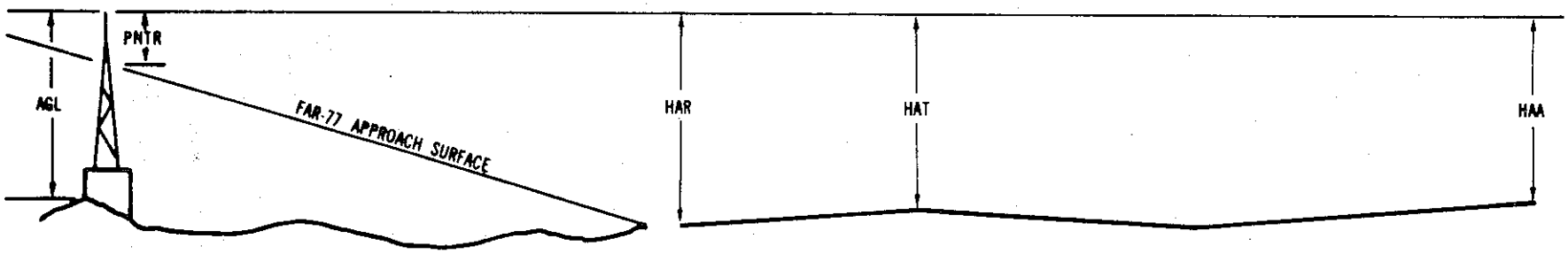
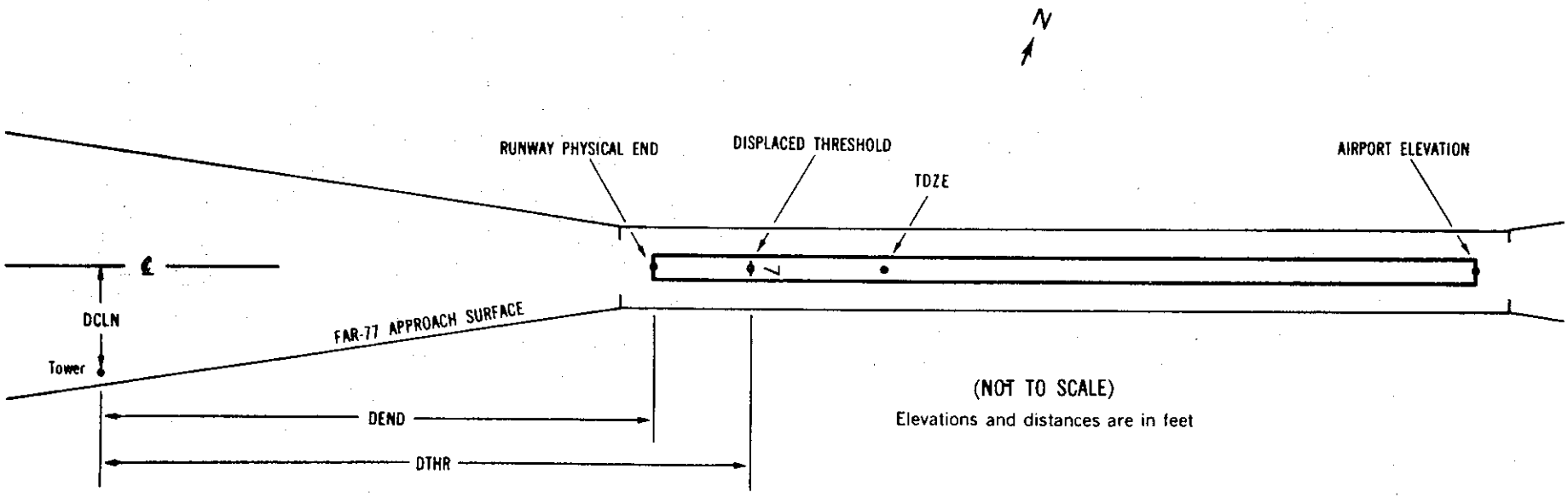




(NOT TO SCALE)

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).

OC0604

AIRPORT ELEVATION 1267

1 PIR 1263/1264 371408.183N 0932320.529W 2014715

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
BUSH	371456.23	0932300.77	1A	1266		3	2	-1	-5105		320L	7
OL ON GLIDE SLOPE	371418.92	0932319.15	1A	1306		43	42	39	-1050		300L	44
GROUND	371409.32	0932326.50	1A	1265		2	1	-2	73		491L	2
TREE	371404.88	0932316.44	1A	1273		10	9	6	187		431R	10
GROUND	371408.11	0932327.03	1A	1264		1	0	-3	202		486L	1
TREE	371356.24	0932320.38	1A	1284		21	20	17	1117		459R	3
TREE	371348.99	0932338.67	1A	1310		47	46	43	2347		642L	4
TREE	371340.93	0932322.78	1A	1309		46	45	42	2627		854R	-3
TREE	371341.09	0932344.26	1A	1353		90	89	86	3256		766L	29
TREE	371336.93	0932332.86	1A	1355		92	91	88	3306		247R	30
TREE	371339.03	0932343.73	1A	1345		82	81	78	3434		648L	17
TREE	371336.43	0932338.38	1A	1356		93	92	89	3518		148L	27
TREE	371330.24	0932325.90	1A	1358		95	94	91	3724		1021R	25
TREE	371331.11	0932331.98	1A	1358		95	94	91	3825		531R	22
TREE	371327.08	0932339.77	1A	1347		84	83	80	4438		98R	-1
TREE	371313.00	0932352.91	1A	1367		104	103	100	6155		360L	-15

19 D 1261/1261 371512.469N 0932248.384W 0214735

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	371408.11	0932327.03	1A	1264		3	3	-3	-7205		486R	1
TREE	371404.88	0932316.44	1A	1273		12	12	6	-7189		431L	10
GROUND	371409.32	0932326.50	1A	1265		4	4	-2	-7075		491R	2
OL ON GLIDE SLOPE	371418.92	0932319.15	1A	1306		45	45	39	-5952		300R	44
BUSH	371456.23	0932300.77	1A	1266		5	5	-1	-1897		320R	7
OL ON LOCALIZER	371520.63	0932244.30	1A	1259		-2	-2	-8	889		0L	-22
ANTENNA ON BUILDING	371519.76	0932240.98	1A	1272		11	11	5	907		282L	-10
ROAD (N)	371519.52	0932236.61	1A	1273		12	12	6	1016		619L	-13
RAILROAD	371520.33	0932235.99	1A	1284		23	23	17	1110		635L	-4
TREE	371522.19	0932236.15	1A	1304		43	43	37	1280		553L	11

OC0604

AIRPORT ELEVATION 1267

13 C 1258/1262 371500.058N 0932342.782W 3214653

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	371413.41	0932300.89	1A	1268		10	6	1	-5802		257R	1
FENCE POST	371507.44	0932352.03	1A	1266		8	4	-1	1049		126R	-17
TREE	371511.64	0932348.08	1A	1301		43	39	34	1185		388L	14
TREE	371510.63	0932359.72	1A	1303		45	41	36	1687		414R	1

31 SUPLC 1267/1267 371416.561N 0932259.945W 1414719

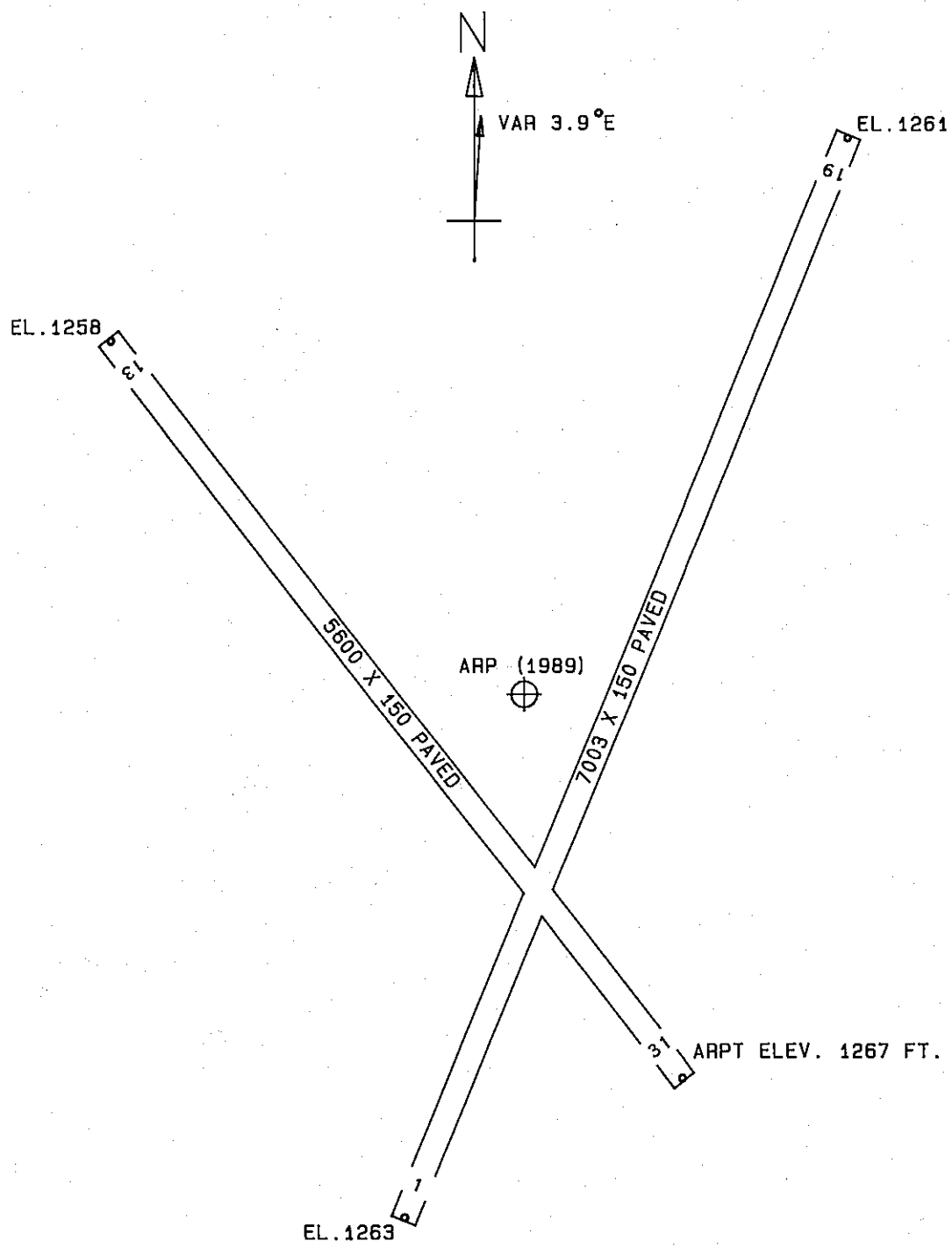
OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	371413.41	0932300.89	1A	1268		1	1	1	203		257L	1
BUSH	371413.86	0932252.28	1A	1286		19	19	19	598		318R	7
TREE	371404.76	0932253.58	1A	1297		30	30	30	1256		334L	-1
TREE	371405.18	0932242.09	1A	1312		45	45	45	1797		423R	-2

OC0604

AIRPORT ELEVATION 1267

ARP 371439.430N 0932311.969W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
OL ANEMOMETER	371426.32	0932320.22	1A	1289		22	202 48	1485
OL WINDSOCK	371425.57	0932319.78	1A	1297		30	200 21	1538
ROD ON OL AIRPORT BEACON	371434.80	0932251.16	1A	1331		64	101 39	1746
HANGAR	371427.65	0932254.82	1A	1308		41	126 46	1828
ANTENNA ON OL CONTROL TR	371425.70	0932327.67	1A	1366		99	218 33	1882
TREE	371445.15	0932336.84	1A	1300		33	282 10	2093
ROD ON OL TRANSMISSOMETER	371416.21	0932309.35	1A	1280		13	170 56	2358
LIGHT STANDARD	371501.97	0932304.47	1A	1302		35	11 0	2359
GROUND	371416.95	0932255.97	1A	1275		8	146 27	2616
GROUND	371459.94	0932346.96	1A	1260		-7	302 21	3509
TREE	371403.98	0932313.43	1A	1301		34	178 0	3588
BUSH	371459.70	0932348.54	1A	1281		14	300 50	3598
TREE	371404.89	0932331.78	1A	1302		35	200 44	3843
TREE	371500.47	0932351.83	1A	1307		40	299 32	3863
TREE	371518.08	0932253.88	1A	1294		27	16 37	4174
TREE	371511.36	0932344.94	1A	1311		44	316 34	4188
ANTENNA ON RTR TOWER	371352.89	0932315.45	1A	1330		63	179 32	4716
TREE	371523.52	0932252.16	1A	1295		28	15 52	4738
TREE	371351.01	0932317.15	1A	1320		53	180 59	4915
TREE	371355.66	0932338.50	1A	1316		49	201 58	4919
TREE	371522.11	0932353.17	1A	1317		50	318 27	5453
TREE	371513.46	0932408.19	1A	1322		55	303 14	5702
ANT ON OL WATER SPHERE	371435.03	0932548.07	2C	1411		144	264 6	12631



TOUCHDOWN ZONE RUNWAY	ELEVATION
1	1264
19	1261
13	1262
31	1267

SPRINGFIELD REGIONAL AIRPORT

SPRINGFIELD, MISSOURI

(NOT TO SCALE)