

AERONAUTICAL DATA SHEET
 NATIONAL GEODETIC SURVEY

DATE GENERATED: 07/02/2003

PROJECT NUMBER: 166
 ARPT IDENTIFIER: ORD
 ARPT NAME: CHICAGO-O'HARE INTERNATIONAL AIRPORT
 CITY: CHICAGO
 STATE: ILLINOIS
 ARPT ELEVATION: 667.8
 AIRPORT REFERENCE POINT

SITE NUMBER: 04508.A
 SURVEY DATE: 09/15/2002
 HORIZONTAL DATUM: NAD83
 VERTICAL DATUM: NAVD88
 ATCT FLOOR ELEV: 879.0
 DECLINATION: 2.7W

DISTANCE FROM RWY END: 14R+1057
 LATITUDE: 415846.5
 LONGITUDE: -875416.1

RUNWAY INFORMATION

RUNWAY: 4L/22R LENGTH: 7500 WIDTH: 150 SURFACE TYPE: SPECIALLY PREPARED HARD SURFACE - PAVED

RUNWAY END DATA
 GEODETIC

DISPLACED THRESHOLD DATA

RWY	LATITUDE	LONGITUDE	ELEV	AZ (N)	TDZE	LENGTH	LATITUDE	LONGITUDE	ELEV
4L	415853.9589	-875450.1033	655.7	392926	658.3				
22R	415951.1339	-875346.9355	647.7	2193008	651.4				

PROFILE DATA

DISTANCES FROM APPROACH END 4L

DISTANCES FROM APPROACH END 22R

DISTANCE	ELEV
0	655.7
1059	658.3
4644	651.1
5777	649.3
6788	647.2
7500	647.7

DISTANCE	ELEV
0	647.7
713	647.2
1724	649.3
2856	651.1
6441	658.3
7500	655.7

RUNWAY: 4R/22L LENGTH: 8075 WIDTH: 150 SURFACE TYPE: SPECIALLY PREPARED HARD SURFACE - PAVED

RUNWAY END DATA
GEODETIC

DISPLACED THRESHOLD DATA

RWY	LATITUDE	LONGITUDE	ELEV	AZ (N)	TDZE	LENGTH	LATITUDE	LONGITUDE	ELEV
4R	415711.9786	-875357.9059	661.2	413000	661.2				
22L	415811.7183	-875247.0752	654.2	2213047	654.2				

PROFILE DATA

DISTANCES FROM APPROACH END 4R

DISTANCES FROM APPROACH END 22L

DISTANCE	ELEV
0	661.2
3741	650.3
6285	650.2
8075	654.2

DISTANCE	ELEV
0	654.2
1790	650.2
4334	650.3
8075	661.2

RUNWAY: 9L/27R LENGTH: 7967 WIDTH: 150 SURFACE TYPE: SPECIALLY PREPARED HARD SURFACE - PAVED

RUNWAY END DATA
GEODETIC

DISPLACED THRESHOLD DATA

RWY	LATITUDE	LONGITUDE	ELEV	AZ (N)	TDZE	LENGTH	LATITUDE	LONGITUDE	ELEV
9L	415902.0308	-875506.0660	659.7	895857	659.7				
27R	415902.0415	-875320.5836	650.0	2700007	653.4				

PROFILE DATA

DISTANCES FROM APPROACH END 9L

DISTANCES FROM APPROACH END 27R

DISTANCE	ELEV
0	659.7
1879	658.3
4881	653.6
6480	651.2
7967	650.0

DISTANCE	ELEV
0	650.0
1487	651.2
3086	653.6
6087	658.3
7967	659.7

RUNWAY: 9R/27L LENGTH: 10144 WIDTH: 150 SURFACE TYPE: SPECIALLY PREPARED HARD SURFACE - PAVED

RUNWAY END DATA
 GEODETIC

DISPLACED THRESHOLD DATA

RWY	LATITUDE	LONGITUDE	ELEV	AZ (N)	TDZE	LENGTH	LATITUDE	LONGITUDE	ELEV
9R	415808.4466	-875515.7079	665.7	895211	665.8				
27L	415808.6525	-875301.4234	651.3	2695341	651.3				

PROFILE DATA

DISTANCES FROM APPROACH END 9R

DISTANCES FROM APPROACH END 27L

DISTANCE	ELEV
0	665.7
1524	662.0
3258	653.6
7759	649.8
10144	651.3

DISTANCE	ELEV
0	651.3
2385	649.8
6886	653.6
8621	662.0
10144	665.7

RUNWAY: 14L/32R LENGTH: 10005 WIDTH: 150 SURFACE TYPE: SPECIALLY PREPARED HARD SURFACE - PAVED

RUNWAY END DATA
 GEODETIC

DISPLACED THRESHOLD DATA

RWY	LATITUDE	LONGITUDE	ELEV	AZ (N)	TDZE	LENGTH	LATITUDE	LONGITUDE	ELEV
14L	420008.7660	-875455.3249	652.7	1395928	652.7				
32R	415853.0580	-875330.1660	648.1	3200024	652.7				

PROFILE DATA

DISTANCES FROM APPROACH END 14L

DISTANCES FROM APPROACH END 32R

DISTANCE	ELEV
0	652.7
2148	648.1
3807	652.6
5207	651.1
6329	651.0
7642	652.7
8818	651.2

DISTANCE	ELEV
0	648.1
1187	651.2
2363	652.7
3676	651.0
4797	651.1
6197	652.6
7857	648.1

PROFILE DATA

ADSIL166

DISTANCES FROM APPROACH END 14L

DISTANCES FROM APPROACH END 32R

DISTANCE	ELEV
10005	648.1

DISTANCE	ELEV
10005	652.7

RUNWAY: 14R/32L LENGTH: 13000 WIDTH: 200 SURFACE TYPE: SPECIALLY PREPARED HARD SURFACE - PAVED

RUNWAY END DATA

DISPLACED THRESHOLD DATA

GEODETIC

RWY	LATITUDE	LONGITUDE	ELEV	AZ (N)	TDZE	LENGTH	LATITUDE	LONGITUDE	ELEV
14R	415925.5667	-875559.3033	665.5	1395804	667.8				
32L	415747.2248	-875408.6299	649.4	3195918	653.9				

PROFILE DATA

DISTANCES FROM APPROACH END 14R

DISTANCES FROM APPROACH END 32L

DISTANCE	ELEV
0	665.5
1057	667.8
10185	653.6
13000	649.4

DISTANCE	ELEV
0	649.4
2814	653.6
11942	667.8
13000	665.5

RUNWAY: 18/36 LENGTH: 5332 WIDTH: 150 SURFACE TYPE: SPECIALLY PREPARED HARD SURFACE - PAVED

RUNWAY END DATA

DISPLACED THRESHOLD DATA

GEODETIC

RWY	LATITUDE	LONGITUDE	ELEV	AZ (N)	TDZE	LENGTH	LATITUDE	LONGITUDE	ELEV
18	415950.6983	-875401.4587	645.8	1795911	650.8				
36	415858.0278	-875401.4420	653.0	3595911	653.6				

DISTANCES FROM APPROACH END 18

DISTANCE	ELEV
0	645.8
1286	649.3
1855	648.5
3019	651.0
4400	651.6
4926	653.6
5332	653.0

DISTANCES FROM APPROACH END 36

DISTANCE	ELEV
0	653.0
406	653.6
932	651.6
2313	651.0
3477	648.5
4046	649.3
5332	645.8

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SITE NUMBER: 04508.A
SURVEY DATE: 09/15/2002
HORIZONTAL DATUM: NAD83
VERTICAL DATUM: NAVD88

NAVIGATIONAL AID INFORMATION

ELECTRONIC		LATITUDE	LONGITUDE	ELEV	OFFSET DISTANCE	ALONG CNTRLN DISTANCE
ASR	(ORD)	415848.5703	-875539.9665	664.0		
DME	(9R/27L)	415811.0409	-875532.9309	677.6		
DME	(14L)	415843.1883	-875323.6518	665.3		
DME	(14R)	415737.7089	-875402.1031	665.3		
DME	(32L)	415934.4844	-875605.0661	676.6		
GS	(4R)	415717.1186	-875344.7461	654.0		
GS	(4R) PP	415719.7367	-875348.7103	658.1	400R	1049
GS	(9L)	415908.1076	-875451.3088	658.1		
GS	(9L) PP	415902.0339	-875451.3067	658.7	615L	1115
GS	(9R)	415804.9236	-875458.1851	659.4		
GS	(9R) PP	415808.4759	-875458.1957	662.7	360R	1323
GS	(14L)	420002.9741	-875441.8980	645.4		
GS	(14L) PP	420000.4363	-875445.9517	650.2	400L	1101
GS	(14R)	415915.8103	-875555.2248	662.0		
GS	(14R) PP	415918.3482	-875551.1752	667.8	399R	954
GS	(22L)	415800.9283	-875252.8060	646.2		
GS	(22L) PP	415803.5455	-875256.7683	651.6	400L	1105
GS	(22R)	415945.4368	-875358.3915	644.5		
GS	(22R) PP	415943.5476	-875355.3193	647.7	301R	995
GS	(27L)	415804.4703	-875315.0502	648.1		
GS	(27L) PP	415808.6336	-875315.0607	650.7	421L	1030
GS	(27R)	415906.8120	-875334.3545	646.3		
GS	(27R) PP	415902.0416	-875334.3544	650.8	483R	1040
GS	(32L)	415752.6358	-875421.1055	648.1		
GS	(32L) PP	415754.9841	-875417.3575	651.0	370L	1026
GS	(32R)	415906.7748	-875336.7776	646.0		
GS	(32R) PP	415903.5377	-875341.9493	651.4	510R	1385
IM	(14L)	420015.1774	-875502.5217			846
IM	(14R)	415932.7434	-875607.3682			948
LOC	(4L)	415956.3898	-875341.1333	643.5		689
LOC	(4R)	415815.6696	-875242.3875	644.9		534
LOC	(9L)	415902.0462	-875310.4878	642.5		763

NAVIGATIONAL AID INFORMATION (CONTINUED)

ADSIL166

ELECTRONIC	LATITUDE	LONGITUDE	ELEV	OFFSET DISTANCE	ALONG CNTRLN DISTANCE
LOC (9R)	415808.6772	-875240.9183	646.2		1549
LOC (14L)	415844.3556	-875320.3852	650.0		1150
LOC (14R)	415738.7620	-875359.1119	651.1		1118
LOC (22L)	415705.6110	-875405.4532	652.9		861
LOC (22R)	415815.5853	-875532.4819	661.7		5034
LOC (27L)	415808.4176	-875532.6170	660.9		1277
LOC (27R)	415902.0259	-875517.9775	664.1		900
LOC (32L)	415930.4970	-875604.8391	662.6		651
LOC (32R)	420017.0387	-875504.6525	648.2		1094
LOM (9R)	415803.9830	-880136.1151			28741
LOM (14L)	420409.0560	-875927.1758			31821
LOM (14R)	420321.3645	-880028.0451			31325
LOM (27R)	415903.5350	-874720.4764			27198
MM (4R)	415648.8303	-875428.6775			3301
MM (9L)	415902.0450	-875554.5332			3661
MM (9R)	415808.3688	-875552.0098			2742
MM (14L)	420029.4551	-875518.6444			2736
MM (14R)	415946.5379	-875622.8991			2772
MM (22R)	420010.8563	-875325.1384			2587
MM (27L)	415808.7161	-875223.7613			2845
MM (27R)	415902.0448	-875241.3611			2962
MM (32L)	415722.1285	-875340.4365			3315
MM (32R)	415833.8278	-875308.5562			2540
OM (4L)	415451.7696	-875919.4591			31865
OM (4R)	415354.5673	-875751.3608			26661
OM (9L)	415909.2209	-880139.2906			29707
OM (22L)	420216.0216	-874746.0031			33591
OM (22R)	420320.6808	-875003.9258			27079
OM (27L)	415809.7376	-874722.6280			25594
OM (32L)	415339.9132	-874934.6934			32489
OM (32R)	415417.7176	-874824.6921			36192
VOR/DME(ORD)	415915.6241	-875417.5895	649.7		

VISUAL	LATITUDE	LONGITUDE
ALS (4L)		
ALS (4R)		
ALS (9L)		

VISUAL	LATITUDE	LONGITUDE
ALS (9R)		
ALS (14L)		
ALS (14R)		
ALS (22L)		
ALS (22R)		
ALS (27L)		
ALS (27R)		
ALS (32L)		
ALS (32R)		
APBN	415739.5591	-875501.0135
PAPI (9L)		
PAPI (9R)		
PAPI (14L)		
PAPI (14R)		
PAPI (22R)		
PAPI (27L)		
PAPI (27R)		

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OBSTRUCTION INFORMATION

4L C

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ROD ON OL GS	415945.44	-875358.39	1A	692		36	34	24	-6505		301L	44
BLDG	415935.98	-875410.83	1A	659		3	1	-9	-5169		416L	9
OL ON VOR/DME	415915.62	-875417.59	1A	681		25	23	13	-3254		*500R	27
BLDG	415850.15	-875501.37	1A	670		14	12	2	839		411L	-5
LT	415847.05	-875504.78	1A	685		29	27	17	1244		411L	-1
LT	415844.99	-875502.39	1A	683		27	25	15	1291		139L	-5
LT	415842.77	-875500.06	1A	681		25	23	13	1352		140R	-8
LT	415841.03	-875457.32	1A	680		24	22	12	1356		412R	-9
ELEC EQUIP	415829.15	-875506.35	1A	670		14	12	2	2718		649R	-60
TREE	415819.28	-875538.86	1A	741		85	83	73	5051		610L	-57
ROD ON BLDG	415813.72	-875529.99	1A	677		21	19	9	5060		265R	-121
OL ON DME	415811.04	-875532.93	1A	682		26	24	14	5410		266R	-127
ROD ON POLE	415808.36	-875552.85	1A	718		62	60	50	6576		723L	-125
TREE	415800.03	-875548.52	1A	706		50	48	38	7019		66R	-150
TREE	415759.39	-875552.13	1A	738		82	80	70	7242		104L	-125
TREE	415802.51	-875558.07	1A	723		67	65	55	7284		650L	-141
TREE	415759.50	-875553.65	1A	740		84	82	72	7307		199L	-124
ROD ON OL POLE	415753.37	-875601.83	1A	804		148	146	136	8179		282L	-87

22R PIR

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON VOR/DME	415915.62	-875417.59	1A	681		33	30	13	-4246		*500L	27
BLDG	415935.98	-875410.83	1A	659		11	8	-9	-2331		416R	9
ROD ON OL GS	415945.44	-875358.39	1A	692		44	41	24	-995		301R	44
ROD ON BLDG	415955.19	-875338.02	1A	658		10	7	-10	745		258L	-1
FENCE	415955.63	-875333.54	1A	658		10	7	-10	995		491L	-5
TREE	420007.27	-875340.90	1A	683		35	32	15	1550		687R	8

22R PIR (CONTINUED)

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	420011.12	-875337.41	1A	698		50	47	30	2019		732R	14
LT POLE	420002.04	-875321.06	1A	695		47	44	27	2095		*806L	9
TREE	420004.58	-875321.08	1A	687		39	36	19	2292		641L	-3
TREE	420008.51	-875320.14	1A	695		47	44	27	2644		442L	-2
TREE	420010.26	-875321.95	1A	696		48	45	28	2694		224L	-2
SIGN	420010.97	-875316.03	1A	700		52	49	32	3034		523L	-5
OL ON BLDG	420018.47	-875317.99	1A	712		64	61	44	3526		74R	-2

4R PIR

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON GS	415800.93	-875252.81	1A	685		24	24	17	-6970		400R	33
ANT ON BLDG	415720.85	-875339.06	1A	673		12	12	5	-1616		472R	16
OL ON GS	415717.12	-875344.75	1A	703		42	42	35	-1049		400R	45
TREE	415702.47	-875402.93	1A	690		29	29	22	972		354R	13
TREE	415702.55	-875411.63	1A	688		27	27	20	1402		144L	3
TREE	415702.89	-875415.27	1A	695		34	34	27	1558		374L	7
TREE	415659.17	-875413.37	1A	696		35	35	28	1746		16L	4
BLDG	415700.83	-875425.39	1A	698		37	37	30	2221		*808L	-4
LT	415651.40	-875426.87	1A	716		55	55	48	3011		259L	-2

22L PIR

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON GS	415717.12	-875344.75	1A	703		49	49	35	-7027		400L	45
ANT ON BLDG	415720.85	-875339.06	1A	673		19	19	5	-6459		472L	16
OL ON GS	415800.93	-875252.81	1A	685		31	31	17	-1105		400L	33
LT	415812.13	-875238.26	1A	663		9	9	-5	472		471L	3
LT	415816.06	-875239.28	1A	664		10	10	-4	719		149L	-1
TREE	415813.87	-875234.49	1A	687		33	33	19	793		567L	21
LT	415819.85	-875240.50	1A	664		10	10	-4	945		174R	-6
TREE	415819.71	-875235.93	1A	671		17	17	3	1164		94L	-2
TREE	415819.14	-875227.84	1A	694		40	40	26	1525		590L	13

22L PIR (CONTINUED)

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	415831.83	-875234.34	1A	703		49	49	35	2162		629R	9
TREE	415833.43	-875234.70	1A	712		58	58	44	2265		757R	17
POLE	415829.24	-875222.85	1A	700		46	46	32	2541		195L	-1
TREE	415839.08	-875225.90	1A	708		54	54	40	3134		638R	-5
FLGPL	415837.71	-875222.22	1A	706		52	52	38	3214		338R	-9
VENT ON BLDG	415840.47	-875201.41	1A	738		84	84	70	4466		654L	-2
ANT ON OL BLDG	415848.27	-875154.08	1A	763		109	109	95	5424		545L	4
STK ON OL BLDG	415847.55	-875147.38	1A	760		106	106	92	5705		972L	-5
ROD ON BLDG	415852.77	-875133.79	1A	782		128	128	114	6781		1390L	-4

9L PIR

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ROD ON OL GS	415906.81	-875334.35	1A	694		34	34	26	-6927		483L	43
ROD ON OL GS	415906.77	-875336.78	1A	692		32	32	24	-6744		479L	41
GRD	415906.84	-875504.79	1A	662		2	2	-6	-96		487L	2
ANT ON BLDG	415859.49	-875516.11	1A	676		16	16	8	759		257R	5
OL ON LOC	415902.03	-875517.98	1A	671		11	11	3	900		0R	-3
LT	415905.03	-875524.38	1A	681		21	21	13	1383		304L	-2
ELEC EQUIP	415855.24	-875531.96	1A	669		9	9	1	1956		687R	-26
BUSH	415901.57	-875540.08	1A	670		10	10	2	2569		45R	-37
TREE	415903.60	-875605.34	1A	736		76	76	68	4477		161L	-9
TREE	415900.14	-875608.43	1A	747		87	87	79	4710		189R	-3
OL ON TWR	415926.07	-880139.04	1A	1410	692	750	750	742	29676		2461L	64

27R PIR

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GRD	415906.84	-875504.79	1A	662		12	9	-6	-7870		487R	2
ROD ON OL GS	415906.77	-875336.78	1A	692		42	39	24	-1223		479R	41
ROD ON OL GS	415906.81	-875334.35	1A	694		44	41	26	-1040		483R	43
LOC	415902.05	-875310.49	1A	650		0	-3	-18	763		1R	-12
SIGNAL	415856.30	-875309.33	1A	666		16	13	-2	850		581L	3

27R PIR (CONTINUED)

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
SIGNAL	415904.77	-875309.03	1A	664		14	11	-4	872		277R	1
LT	415908.53	-875307.00	1A	668		18	15	0	1026		*657R	1
LT	415906.05	-875306.16	1A	668		18	15	0	1090		406R	0
ANT ON BLDG	415856.24	-875305.96	1A	674		24	21	6	1105		587L	6
ANT ON BLDG	415906.97	-875301.88	1A	672		22	19	4	1413		499R	-2
RR	415901.64	-875258.98	1A	684		34	31	16	1631		40L	6
VENT ON BLDG	415858.81	-875256.78	1A	677		27	24	9	1798		327L	-5
TREE	415907.92	-875234.30	1A	710		60	57	42	3496		595R	-6
SIGN	415857.46	-875233.01	1A	719		69	66	51	3593		463L	1
TREE	415851.84	-875232.21	1A	715		65	62	47	3654		*1032L	-4
TREE	415902.34	-875231.56	1A	714		64	61	46	3703		31R	-6
SIGN	415854.84	-875229.11	1A	725		75	72	57	3888		728L	2
ANT ON OL BLDG	415848.27	-875154.08	1A	763		113	110	95	6534		1393L	-14
STK ON OL BLDG	415847.55	-875147.38	1A	760		110	107	92	7040		1465L	-27
ROD ON BLDG	415852.77	-875133.79	1A	782		132	129	114	8066		937L	-26

9R PIR

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON GS	415804.47	-875315.05	1A	694		28	28	26	-9114		421R	44
OL ON GS	415804.92	-875458.19	1A	709		43	43	41	-1323		360R	46
ROD ON BLDG	415813.72	-875529.99	1A	677		11	11	9	1078		536L	-6
OL ON DME	415811.04	-875532.93	1A	682		16	16	14	1300		266L	-6
TREE	415800.03	-875548.52	1A	706		40	40	38	2481		*846R	-5
TREE	415759.39	-875552.13	1A	738		72	72	70	2753		*910R	21
ROD ON POLE	415808.36	-875552.85	1A	718		52	52	50	2806		2R	0
TREE	415759.50	-875553.65	1A	740		74	74	72	2868		899R	21
TREE	415802.51	-875558.07	1A	723		57	57	55	3201		594R	-2
TREE	415807.31	-875617.81	1A	750		84	84	82	4692		104R	-6
TREE	415759.58	-875617.84	1A	758		92	92	90	4696		887R	3

27L PIR

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON GS	415804.92	-875458.19	1A	709		58	58	41	-8822		360L	46
OL ON GS	415804.47	-875315.05	1A	694		43	43	26	-1030		421L	44
ROD ON OL TK	415801.54	-875241.90	1A	675		24	24	7	1474		*723L	-2
LT	415816.06	-875239.28	1A	664		13	13	-4	1674		*747R	-17
LT	415812.13	-875238.26	1A	663		12	12	-5	1750		349R	-19
TREE	415813.87	-875234.49	1A	687		36	36	19	2035		525R	-1
POLE	415802.97	-875233.62	1A	686		35	35	18	2099		579L	-4
ROD ON BLDG	415800.66	-875230.87	1A	696		45	45	28	2306		813L	3
OL ON SIGN	415801.56	-875225.66	1A	707		56	56	39	2700		723L	5
OL ON SIGN	415812.31	-875219.17	1A	712		61	61	44	3192		365R	1
SIGN	415806.59	-875218.22	1A	709		58	58	41	3263		214L	-3
POLE	415814.72	-875217.58	1A	715		64	64	47	3313		608R	1
POLE	415808.09	-875215.37	1A	715		64	64	47	3479		63L	-2

14L PIR

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ROD ON OL GS	415906.77	-875336.78	1A	692		39	39	24	-8620		*510L	40
BLDG	415935.98	-875410.83	1A	659		6	6	-9	-4702		440L	8
OL ON GS	420002.97	-875441.90	1A	694		41	41	26	-1101		400L	43
FENCE	420017.18	-875455.33	1A	660		7	7	-8	652		547L	-2
PIPE ON BLDG	420012.86	-875507.11	1A	664		11	11	-4	889		415R	-3
ROD ON BLDG	420014.69	-875506.44	1A	664		11	11	-4	998		257R	-5
SIGNAL	420015.27	-875514.86	1A	680		27	27	12	1453		*706R	2
LT	420016.99	-875517.94	1A	695		42	42	27	1736		*772R	12
LT	420018.33	-875519.09	1A	695		42	42	27	1895		752R	8
BLDG	420018.20	-875519.91	1A	691		38	38	23	1925		*807R	4
SIGN	420031.57	-875507.16	1A	690		37	37	22	2343		800L	-6
TREE	420023.17	-875524.04	1A	695		42	42	27	2511		723R	-4
TREE	420025.01	-875527.20	1A	704		51	51	36	2807		786R	-1
LT	420027.19	-875523.94	1A	692		39	39	24	2818		456R	-13
TREE	420035.73	-875512.81	1A	701		48	48	33	2940		744L	-7

32R PIR

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON GS	420002.97	-875441.90	1A	694		46	41	26	-8904		400R	43
BLDG	415935.98	-875410.83	1A	659		11	6	-9	-5302		440R	8
ROD ON OL GS	415906.77	-875336.78	1A	692		44	39	24	-1385		*510R	40
OL ON DME	415843.19	-875323.65	1A	670		22	17	2	1082		265L	4
LT	415847.59	-875314.55	1A	668		20	15	0	1182		548R	0
LT	415845.20	-875316.69	1A	669		21	16	1	1264		269R	0
SIGN	415838.98	-875326.34	1A	681		33	28	13	1277		*694L	11
SIGN	415837.92	-875321.22	1A	679		31	26	11	1608		467L	2
LT	415834.94	-875322.33	1A	691		43	38	23	1785		725L	11
LT ON SIGN	415837.55	-875316.03	1A	682		34	29	14	1889		191L	0
TREE	415840.37	-875305.80	1A	693		45	40	25	2167		585R	5
TREE	415841.19	-875304.36	1A	692		44	39	24	2173		721R	5
OL ON LT	415829.54	-875301.15	1A	711		63	58	43	3233		149R	2
LT	415828.10	-875303.42	1A	710		62	57	42	3234		76L	1
POLE	415830.12	-875258.36	1A	708		60	55	40	3323		349R	-2
LT	415819.85	-875240.50	1A	664		16	11	-4	4987		714R	-80
TREE	415819.71	-875235.93	1A	671		23	18	3	5219		970R	-77
LT	415816.06	-875239.28	1A	664		16	11	-4	5339		538R	-87
LT	415812.13	-875238.26	1A	663		15	10	-5	5694		341R	-95
TREE	415813.87	-875234.49	1A	687		39	34	19	5742		673R	-72
OL ON GS	415800.93	-875252.81	1A	685		37	32	17	5857		1229L	-77
FENCE	415801.85	-875248.59	1A	658		10	5	-10	5990		925L	-106
LT	415801.03	-875248.39	1A	669		21	16	1	6063		967L	-96
ROD ON OL TK	415801.54	-875241.90	1A	675		27	22	7	6339		558L	-96
OL ON SIGN	415812.31	-875219.17	1A	712		64	59	44	6606		1458R	-64
POLE	415802.97	-875233.62	1A	686		38	33	18	6629		14R	-91
ROD ON BLDG	415800.66	-875230.87	1A	696		48	43	28	6942		23R	-87
SIGN	415806.59	-875218.22	1A	709		61	56	41	7096		1141R	-77
POLE	415808.09	-875215.37	1A	715		67	62	47	7118		1404R	-72
OL ON SIGN	415801.56	-875225.66	1A	707		59	54	39	7125		383R	-80
ANT ON BLDG	415758.93	-875228.45	1A	712		64	59	44	7194		51R	-76

14R PIR

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON GS	415752.64	-875421.11	1A	695		29	27	27	-11974		370R	44
BLDG	415842.94	-875519.58	1A	670		4	2	2	-5234		478R	9
GRD	415850.02	-875526.83	1A	666		0	-2	-2	-4333		436R	3
ELEC EQUIP	415855.24	-875531.96	1A	669		3	1	1	-3679		394R	5
BUSH	415901.57	-875540.08	1A	670		4	2	2	-2794		451R	5
ROD ON OL GS	415915.81	-875555.22	1A	709		43	41	41	-954		399R	41
LOC	415930.50	-875604.84	1A	669		3	1	1	651		1L	-6
ANT ON BLDG	415934.74	-875604.41	1A	684		18	16	16	959		302L	3
OL ON DME	415934.48	-875605.07	1A	682		16	14	14	971		247L	1
RR	415932.98	-875619.57	1A	687		21	19	19	1559		689R	-6
FLGPL	415935.95	-875624.65	1A	732		66	64	64	2036		*790R	30
OL ON BLDG	415941.10	-875624.82	1A	710		44	42	42	2443		464R	0
VENT ON OL BLDG	415942.92	-875626.45	1A	719		53	51	51	2663		440R	4
TREE	415945.85	-875624.55	1A	720		54	52	52	2798		139R	3
TREE	415948.10	-875625.64	1A	729		63	61	61	3025		56R	7
POLE	415954.27	-875617.90	1A	717		51	49	49	3128		794L	-7
ANT	415959.03	-875622.51	1A	733		67	65	65	3721		837L	-3

32L PIR

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ROD ON OL GS	415915.81	-875555.22	1A	709		60	55	41	-12045		399L	41
BUSH	415901.57	-875540.08	1A	670		21	16	2	-10206		451L	5
ELEC EQUIP	415855.24	-875531.96	1A	669		20	15	1	-9321		394L	5
GRD	415850.02	-875526.83	1A	666		17	12	-2	-8667		436L	3
BLDG	415842.94	-875519.58	1A	670		21	16	2	-7766		478L	9
OL ON GS	415752.64	-875421.11	1A	695		46	41	27	-1026		370L	44
DME	415737.71	-875402.10	1A	669		20	15	1	1055		242L	2
LOC	415738.76	-875359.11	1A	658		9	4	-10	1118		0R	-9
POLE	415728.21	-875359.94	1A	686		37	32	18	1896		735L	2
POLE	415728.36	-875353.24	1A	685		36	31	17	2210		338L	-5
ANT ON BLDG	415720.85	-875339.06	1A	673		24	19	5	3482		5L	-42
OL ON GS	415717.12	-875344.75	1A	703		54	49	35	3494		577L	-13
TREE	415718.87	-875329.09	1A	719		70	65	51	4119		443R	-8
ANT	415710.50	-875303.08	1A	782		133	128	114	6031		*1404R	16

18 BV

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ROD ON OL GS	415945.44	-875358.39	1A	692		46	41	24	-533		231L	44
FENCE	415951.71	-875358.97	1A	655		9	4	-13	102		188L	9
TREE	420008.93	-875356.99	1A	715		69	64	47	1846		338L	-13

36 NUL

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
*** N O B S T R U C T I O N S ***												

ARP HCT

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAA	MAG	BEARING	DISTANCE	PNTR
ROD ON OL BLDG	415838.15	-875415.73	1A	838		170		18049	846	20
LT	415853.63	-875422.65	1A	704		36		32817	875	-3
LT	415856.11	-875409.49	1A	688		20		2951	1094	19
ROD ON OL ATCT	415833.40	-875411.57	1A	910	260	242		16814	1370	92
LT	415851.19	-875435.85	1A	712		44		29022	1565	-18
SIGN	415856.19	-875355.12	1A	683		15		6055	1864	17
ANT ON OL TWR	415845.98	-875351.39	1A	815		147		9419	1867	1
LT	415823.32	-875438.13	1A	670		2		21802	2876	-6
OL ON VOR/DME	415915.62	-875417.59	1A	681		13		31	2950	27
LT	415815.46	-875419.62	1A	676		8		18732	3153	-6
FENCE	415844.55	-875332.60	1A	665		-3		9607	3292	-10
LT	415842.77	-875500.06	1A	681		13		26613	3342	2
OL ON GS	415908.11	-875451.31	1A	694		26		31208	3443	18
LT	415844.99	-875502.39	1A	683		15		27012	3500	1
LT	415847.05	-875504.78	1A	685		17		27334	3677	3
ROD ON OL POLE	415920.15	-875436.58	1A	701		33		33816	3742	-11
SIGN	415838.98	-875326.34	1A	681		13		10408	3835	6
LT	415815.50	-875342.75	1A	678		10		14356	4024	-1
LT	415855.48	-875512.24	1A	685		17		28448	4336	2
LT	415850.36	-875314.26	1A	680		12		8755	4687	-2

ARP	HCT	(CONTINUED)									
OBJECT		LATITUDE	LONGITUDE	A	ELEV	AGL	HAA	MAG	BEARING	DISTANCE	PNTR
ROD ON LT		415826.17	-875316.65	1A	712		44		11719	4940	0
LT		415847.89	-875310.62	1A	684		16		9104	4948	-5
LT		415846.09	-875308.85	1A	683		15		9310	5080	-3
LT		415800.70	-875444.61	1A	692		24		20737	5112	-7
LT		415855.24	-875308.97	1A	683		15		8247	5147	7
ROD ON LT POLE		415759.13	-875445.09	1A	711		43		20715	5272	-11
TREE		415841.82	-875302.77	1A	699		31		9734	5559	3
LT POLE		415751.70	-875427.40	1A	695		27		19126	5613	2
LT		415908.53	-875307.00	1A	668		0		6933	5676	-3
LT		415746.62	-875421.93	1A	692		24		18651	6078	-3
LT		415911.47	-875530.45	1A	694		26		29656	6159	-8
ROD ON OL ASR		415848.57	-875539.97	1A	766		98		27436	6338	-11
ROD ON TWR		415850.36	-875540.38	1A	753		85		27613	6378	-1
TREE		415800.01	-875515.93	1A	705		37		22633	6525	-11
ROD ON RTR TWR		415757.16	-875320.06	1A	715		47		14225	6547	9
LT		415955.27	-875427.06	1A	682		14		35555	7011	-3
ROD ON TK		415949.08	-875335.10	1A	700		32		2844	7051	6
FENCE		415957.26	-875350.91	1A	658		-10		1734	7411	-8
TREE		415836.25	-875235.04	1A	723		55		10026	7704	5
TREE		415955.89	-875329.24	1A	675		7		2926	7865	-4
TREE		415851.84	-875232.21	1A	715		47		8845	7866	-6
FENCE		415747.80	-875305.23	1A	657		-11		14040	7998	-4
ROD ON POLE		415808.36	-875552.85	1A	718		50		24452	8265	-100
TREE		415800.03	-875548.52	1A	706		38		23844	8419	-6
ANT ON OL BLDG		415958.39	-875319.77	1A	745		77		3300	8429	12
TREE		415759.39	-875552.13	1A	738		70		23923	8681	17
LT POLE		420002.04	-875321.06	1A	695		27		3113	8703	6
TREE		415759.50	-875553.65	1A	740		72		23951	8771	-77
TREE		415802.51	-875558.07	1A	723		55		24240	8897	-94
TREE		415818.98	-875222.20	1A	716		48		11038	9043	4
ROD ON OL POLE		415843.93	-875619.54	1A	812		144		27107	9327	-6
ROD ON OL POLE		415753.37	-875601.83	1A	804		136		23845	9629	-3
LT		420012.56	-875512.46	1A	682		14		33640	9696	-4
ANT ON BLDG		415709.90	-875417.00	1A	722		54		18306	9779	-1
LT		420012.89	-875514.12	1A	698		30		33605	9781	1
ANT ON OL BLDG		420008.95	-875306.69	1A	750		82		3449	9856	7
TREE		420020.28	-875454.00	1A	703		35		34555	9916	4

ARP	HCT	(CONTINUED)									
OBJECT		LATITUDE	LONGITUDE	A	ELEV	AGL	HAA	MAG	BEARING	DISTANCE	PNTR
SIGNAL		420015.27	-875514.86	1A	680		12		33625	10022	-1
LT		415707.18	-875416.63	1A	694		26		18255	10054	0
ROD ON OL MCWV TWR		415822.82	-875625.66	1A	798		130		25857	10076	1
LT		420016.99	-875517.94	1A	695		27		33541	10282	6
BLDG		420018.20	-875519.91	1A	691		23		33516	10459	-3
TREE		420025.08	-875458.89	1A	715		47		34445	10489	13
TREE		420026.42	-875500.46	1A	715		47		34423	10655	14
BLDG		415700.83	-875425.39	1A	698		30		18627	10719	-5
MCWV TWR		415703.35	-875451.03	1A	809		141		19653	10770	-9
FLGPL		415935.95	-875624.65	1A	732		64		29959	10923	28
ANT		415710.50	-875303.08	1A	782		114		15306	11174	12
ANT ON OL BLDG		415841.28	-875148.24	1A	764		96		9523	11180	-3
OL ANT		415706.97	-875544.47	1A	844		176		21614	12087	26
LADDER ON SIGN		420052.25	-875522.98	1A	745		77		34104	13695	-6
ROD ON OL TK		415628.15	-875343.06	1A	815		147		17235	14225	-3

ADDITIONAL INFORMATION:

AERONAUTICAL DATA IS AVAILABLE ON THE INTERNET AT [HTTP://WWW.NGS.NOAA.GOV](http://www.ngs.noaa.gov).

ADDITIONAL INFORMATION ON DATA STANDARDS CAN BE FOUND IN FAA NO. 405, "STANDARDS FOR AERONAUTICAL SURVEYS AND RELATED PRODUCTS".

AN ASTERISK "*" INDICATES THAT THIS OBJECT IS OUTSIDE, BUT WITHIN 50 FEET, OF THE OBSTRUCTION IDENTIFICATION SURFACE.