OBSTRUCTION DATA SHEET

ODS 982
MERCER COUNTY AIRPORT
TRENTON, NEW JERSEY

DIGITIZED FROM

OC 982
SURVEYED MAY 1990
8TH EDITION

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THE NATIONAL OCEAN SERVICE
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FOR THE FEDERAL AVIATION ADMINISTRATION

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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).

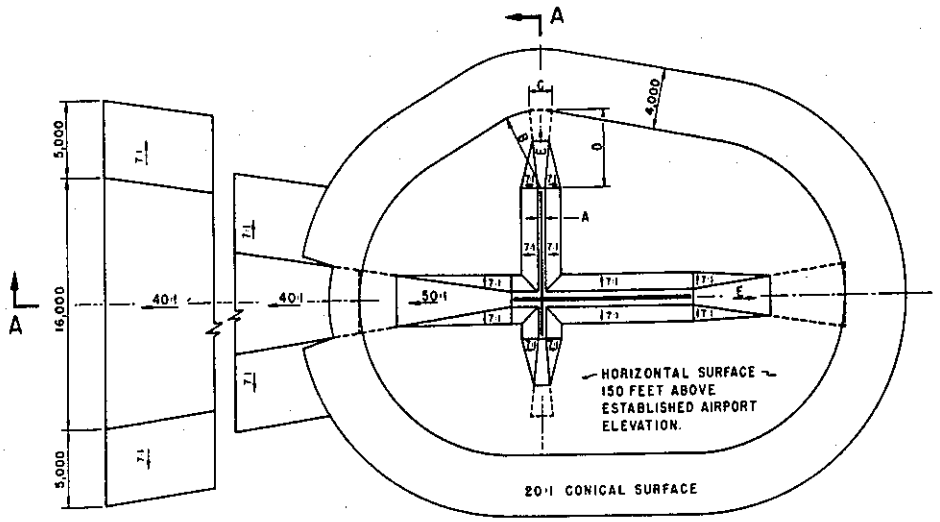
3. Runway configuration and runway lengths, widths, and elevations are presented on the ODS last page.

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)

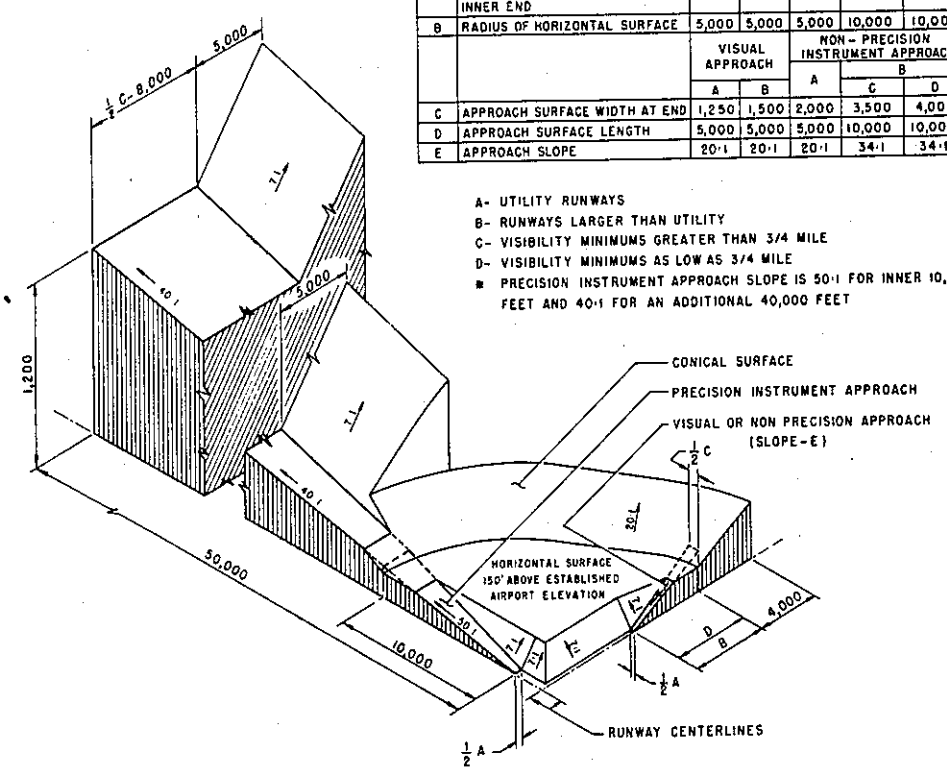
FAR-77 imaginary surface dimensions are defined on page 2 of this report.

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
		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
		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] 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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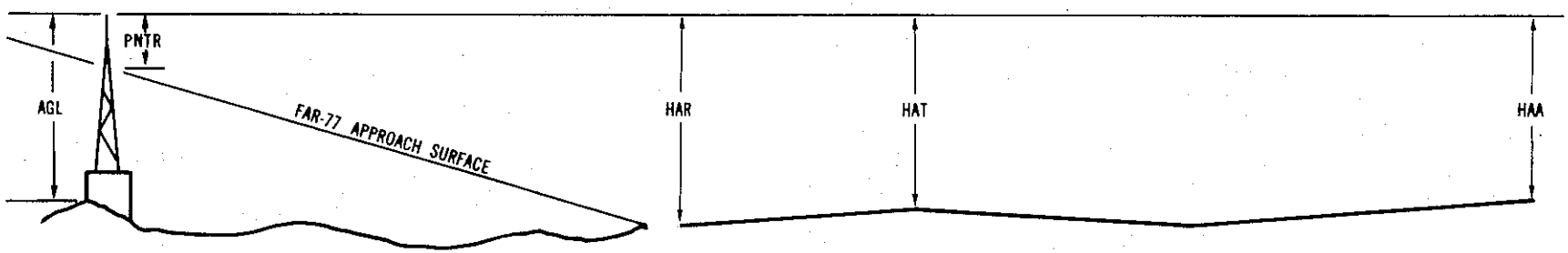

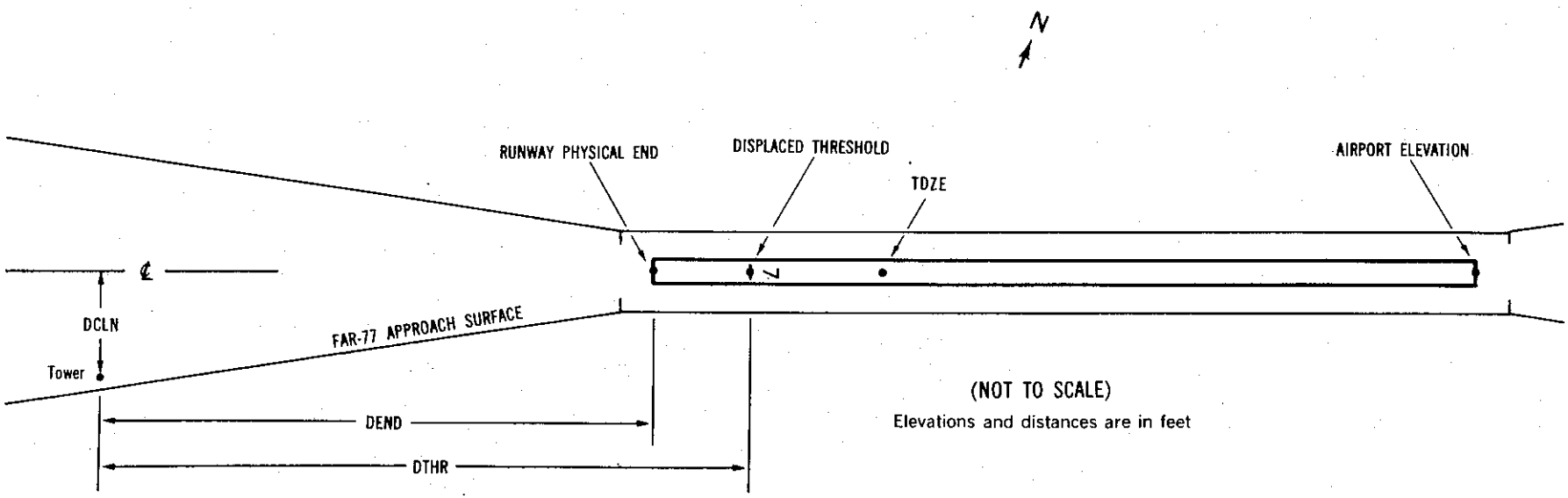

(NOT TO SCALE)

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).

OC0982

AIRPORT ELEVATION 213

6 PIR 161/186 401610.722N 0744919.086W 2262834

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ANEMOMETER	401636.21	0744850.10	1A	228		67	42	15	-3406		323L	40
OL WINDSOCK	401636.57	0744851.95	1A	220		59	34	7	-3326		449L	32
FENCE CORNER	401625.67	0744907.78	1A	187		26	1	-26	-1677		493L	10
FENCE	401621.43	0744913.82	1A	174		13	-12	-39	-1042		504L	4
OL ON GLIDE SLOPE	401619.33	0744912.36	1A	190		29	4	-23	-977		273L	21
WINDSOCK	401614.44	0744909.39	1A	181		20	-5	-32	-804		245R	14
TREE	401612.69	0744907.75	1A	200		39	14	-13	-774		460R	33
TREE	401609.46	0744911.09	1A	208		47	22	-5	-362		519R	45
TREE	401606.67	0744915.87	1A	206		45	20	-7	102		469R	45
TREE	401605.58	0744916.45	1A	208		47	22	-5	210		518R	47
TREE	401607.82	0744921.89	1A	172		11	-14	-41	360		63R	8
TREE	401605.03	0744919.11	1A	175		14	-11	-38	398		416R	10
TREE	401550.59	0744932.30	1A	235		74	49	22	2146		772R	35
TREE	401549.73	0744935.56	1A	222		61	36	9	2389		661R	17
TREE	401550.26	0744949.38	1A	242		81	56	29	3129		116L	22
TREE	401553.82	0744956.87	1A	231		70	45	18	3302		777L	8
TREE	401551.95	0744955.37	1A	230		69	44	17	3347		560L	6

OC0982

AIRPORT ELEVATION 213

24 PIR 192/193 401651.588N 0744822.903W 0462910

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	401605.58	0744916.45	1A	208		16	15	-5	-6216		518L	47
TREE	401606.67	0744915.87	1A	206		14	13	-7	-6107		469L	45
TREE	401609.46	0744911.09	1A	208		16	15	-5	-5644		519L	45
TREE	401612.69	0744907.75	1A	200		8	7	-13	-5231		460L	33
WINDSOCK	401614.44	0744909.39	1A	181		-11	-12	-32	-5202		245L	14
OL ON GLIDE SLOPE	401619.33	0744912.36	1A	190		-2	-3	-23	-5028		273R	21
FENCE	401621.43	0744913.82	1A	174		-18	-19	-39	-4963		504R	4
FENCE CORNER	401625.67	0744907.78	1A	187		-5	-6	-26	-4328		493R	10
OL WINDSOCK	401636.57	0744851.95	1A	220		28	27	7	-2679		449R	32
ANEMOMETER	401636.21	0744850.10	1A	228		36	35	15	-2600		323R	40
ROAD (N)	401649.61	0744816.10	1A	194		2	1	-19	244		508L	1
OL LOCALIZER	401653.97	0744819.64	1A	195		3	2	-18	350		1R	1
TREE	401651.43	0744814.18	1A	224		32	31	11	479		476L	26
ANTENNA ON BUILDING	401657.32	0744821.34	1A	201		9	8	-12	487		337R	3
TREE	401653.19	0744813.45	1A	233		41	40	20	643		387L	32
TREE	401700.32	0744816.99	1A	231		39	38	18	941		325R	24
TREE	401658.59	0744813.00	1A	228		36	35	15	1044		15L	19
TREE	401654.36	0744807.08	1A	246		54	53	33	1083		641L	36
TREE	401702.46	0744816.24	1A	243		51	50	30	1131		442R	32
POLE	401707.98	0744814.05	1A	252		60	59	39	1640		731R	31
TREE	401707.85	0744808.00	1A	246		54	53	33	1971		398R	19
TREE	401706.66	0744802.13	1A	261		69	68	48	2218		2L	29
TREE	401706.42	0744757.50	1A	266		74	73	53	2461		267L	29
OL POLE	401714.59	0744805.17	1A	266		74	73	53	2599		742R	26
OL POLE	401713.81	0744759.10	1A	269		77	76	56	2886		361R	23
TRANSMISSION TOWER	401758.50	0744714.76	1A	361		169	168	148	8492		1276R	3
TRANSMISSION TOWER	401759.80	0744701.19	1A	365		173	172	152	9345		648R	-10

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AIRPORT ELEVATION 213

16 PIR 213/213 401700.990N 07449 6.104W 3253943

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
FENCE	401618.15	0744833.67	1A	176		-37	-37	-37	-4998		370R	1
TANK	401619.83	0744835.64	1A	184		-29	-29	-29	-4771		399R	9
TREE	401624.50	0744828.61	1A	214		1	1	1	-4688		317L	38
FENCE CORNER	401625.28	0744840.01	1A	185		-28	-28	-28	-4124		368R	4
ANEMOMETER	401636.21	0744850.10	1A	228		15	15	15	-2770		390R	35
OL WINDSOCK	401636.57	0744851.95	1A	220		7	7	7	-2659		488R	26
TREE	401655.16	0744908.39	1A	267		54	54	54	-387		479R	54
HANGAR	401701.34	0744858.46	1A	223		10	10	10	-305		510L	10
TREE	401659.35	0744910.07	1A	243		30	30	30	36		347R	30
TREE	401704.54	0744902.50	1A	231		18	18	18	139		433L	18
BUSH	401703.69	0744905.53	1A	222		9	9	9	200		190L	9
TREE	401702.68	0744912.12	1A	237		24	24	24	404		288R	20
TREE	401706.14	0744908.58	1A	233		20	20	20	539		135L	13
TREE	401708.07	0744906.22	1A	234		21	21	21	597		397L	13
TREE	401730.50	0744928.49	1A	261		48	48	48	3445		252L	-17
TREE	401742.42	0744927.32	1A	285		72	72	72	4389		1007L	-12

OC0982

AIRPORT ELEVATION 213

34 PIR 175/203 401621.823N 0744831.176W 1454006

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
BUSH	401703.69	0744905.53	1A	222		47	19	9	-5000		190R	9
TREE	401704.54	0744902.50	1A	231		56	28	18	-4939		433R	18
TREE	401659.35	0744910.07	1A	243		68	40	30	-4836		347L	30
HANGAR	401701.34	0744858.46	1A	223		48	20	10	-4495		510R	10
TREE	401655.16	0744908.39	1A	267		92	64	54	-4413		479L	54
OL WINDSOCK	401636.57	0744851.95	1A	220		45	17	7	-2141		488L	26
ANEMOMETER	401636.21	0744850.10	1A	228		53	25	15	-2030		390L	35
FENCE CORNER	401625.28	0744840.01	1A	185		10	-18	-28	-675		368L	4
TREE	401624.50	0744828.61	1A	214		39	11	1	-112		317R	38
TANK	401619.83	0744835.64	1A	184		9	-19	-29	-29		399L	9
FENCE	401618.15	0744833.67	1A	176		1	-27	-37	198		370L	1
TREE	401621.81	0744823.88	1A	221		46	18	8	320		466R	44
POLE	401614.72	0744831.45	1A	194		19	-9	-19	582		423L	11
TREE	401614.25	0744829.03	1A	208		33	5	-5	727		295L	22
TREE	401611.19	0744825.92	1A	211		36	8	-2	1118		270L	18
TREE	401610.28	0744822.00	1A	210		35	7	-3	1366		72L	12
TREE	401613.23	0744812.44	1A	210		35	7	-3	1537		709R	8
TREE	401605.58	0744814.79	1A	224		49	21	11	2074		122R	12
TREE	401547.12	0744809.49	1A	237		62	34	24	3848		592L	-11
OL RADIO TOWER	401404.63	0744602.09	1A	569	469	394	366	356	17983		1720R	-1

OC0982

AIRPORT ELEVATION 213

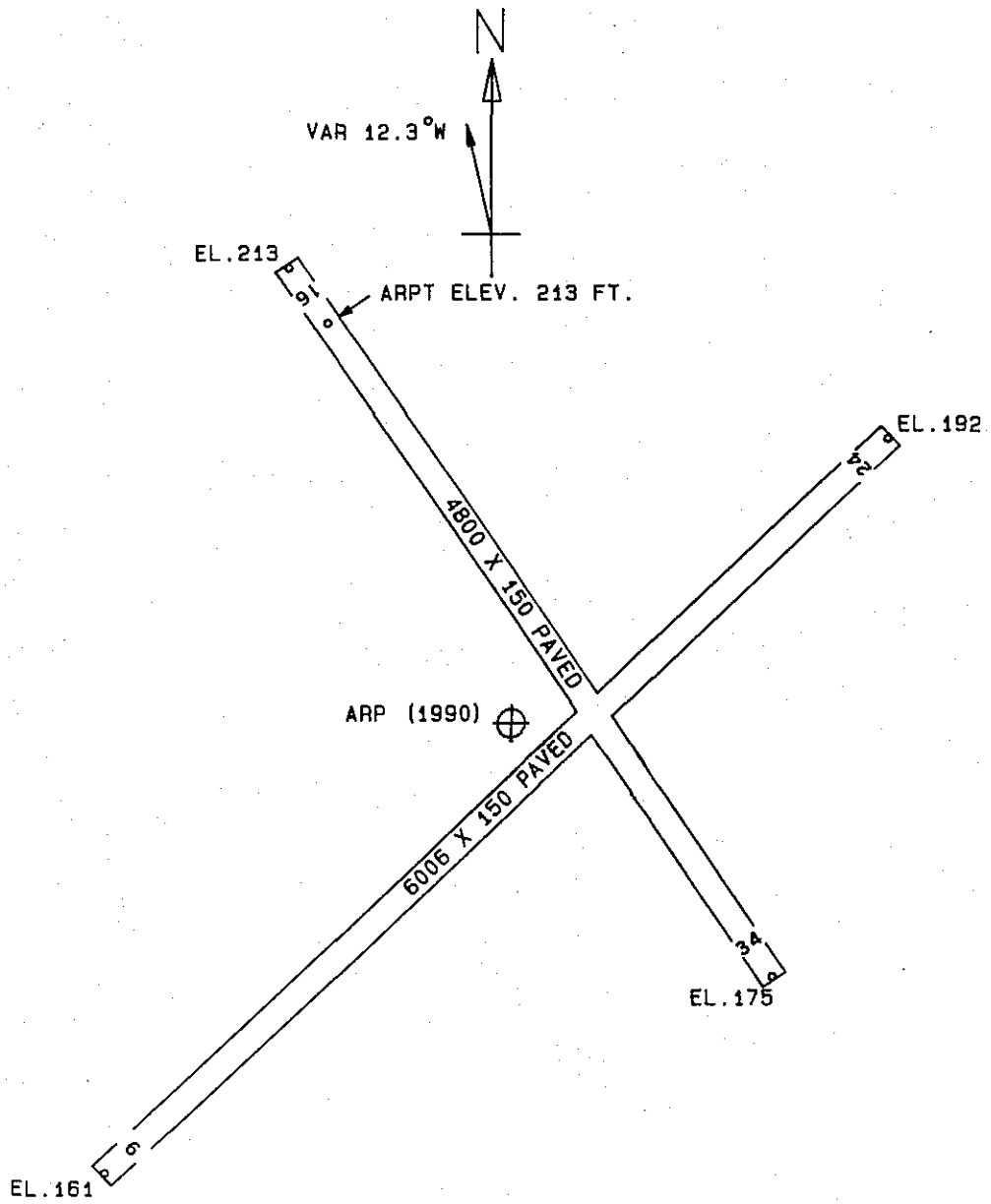
ARP 401635.709N 0744849.949W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
ANTENNA & APBN ON OL ATCT	401639.78	0744857.85	1A	276		63	316 12	738
TREE	401624.63	0744844.17	1A	212		-1	170 31	1207
ANTENNA	401631.19	0744906.29	1A	248		35	262 26	1347
ROD ON BUILDING	401622.24	0744839.72	1A	197		-16	162 7	1577
ANTENNA ON OL HANGAR	401631.27	0744829.58	1A	236		23	118 10	1641
ANTENNA ON HANGAR	401654.24	0744845.04	1A	270		57	23 46	1914
WINDSOCK ON HANGAR	401654.54	0744846.34	1A	248		35	20 40	1926
TREE	401626.51	0744827.17	1A	246		33	130 6	1995
ANTENNA	401616.23	0744842.97	1A	259		46	176 57	2044
TREE	401652.80	0744907.42	1A	253		40	334 14	2196
LIGHT POLE	401615.77	0744835.42	1A	202		-11	163 8	2311
OL ON WATER TANK	401613.29	0744841.91	1A	276		63	176 56	2353
STACK	401658.95	0744848.33	1A	262		49	15 21	2355
OL BUILDING	401611.71	0744857.07	1A	233		20	205 6	2491
TREE	401654.18	0744911.90	1A	270		57	330 0	2528
ANTENNA ON HANGAR	401656.53	0744831.73	1A	244		31	46 8	2536
TREE	401619.40	0744919.00	1A	213		0	246 4	2792
TREE	401611.43	0744907.98	1A	209		-4	221 56	2827
TREE	401610.79	0744831.54	1A	209		-4	162 48	2897
WINDSOCK	401658.60	0744826.46	1A	218		5	50 28	2946
TREE	401649.11	0744816.16	1A	205		-8	74 55	2949
OL ON HANGAR	401700.94	0744829.82	1A	268		55	43 43	2992
TREE	401705.66	0744901.34	1A	236		23	356 3	3156
TREE	401707.11	0744854.85	1A	272		59	5 29	3200
TREE	401707.33	0744858.61	1A	258		45	0 27	3269
OL ANTENNA	401636.93	0744932.81	1B	369		156	284 26	3325
TREE	401607.12	0744913.67	1A	210		-3	224 44	3428
TREE	401650.65	0744809.14	1A	255		42	76 45	3506
TREE	401613.99	0744925.80	1A	170		-43	243 58	3543
TREE	401614.24	0744811.98	1A	223		10	138 44	3658
ANTENNA	401601.60	0744905.71	1A	278		65	211 48	3661
TREE	401613.26	0744928.57	1A	196		-17	245 6	3758
POLE	401603.10	0744918.29	1A	183		-30	225 57	3964

AIRPORT ELEVATION 213

ARP 401635.709N 0744849.949W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
OL ON TANK	401632.68	0744941.05	1B	329		116	277 52	3973
TREE	401609.77	0744808.02	1A	230		17	141 14	4178
TREE	401559.44	0744920.17	1A	242		29	224 51	4354
TREE	401709.88	0744926.36	1A	249		36	333 5	4463
TREE	401554.67	0744922.63	1A	245		32	223 41	4865
OL ON WATER TANK	401547.01	0744841.54	1B	297		84	184 46	4971
OL STACK	401548.24	0744830.21	1A	366	233	153	174 38	5042
TREE	401550.06	0744929.12	1A	260		47	225 37	5528
TREE	401556.23	0744958.52	1A	251		38	245 23	6649
TREE	401740.70	0744923.34	1A	285		72	350 50	7067
OL ANTENNA	401551.55	0745018.96	1A	303		90	249 23	8220
OL ON RADIO TOWER	401518.55	0745144.46	2A	434	245	221	252 19	15620



TOUCHDOWN ZONE RUNWAY	ELEVATION
6	186
24	193
16	213
34	203

MERCER COUNTY AIRPORT

TRENTON, NEW JERSEY

(NOT TO SCALE)