

AERONAUTICAL DATA SHEET
 NATIONAL GEODETIC SURVEY

DATE GENERATED: 02/07/2005

PROJECT NUMBER: 618
 ARPT IDENTIFIER: FNT
 ARPT NAME: BISHOP INTERNATIONAL AIRPORT
 CITY: FLINT
 STATE: MICHIGAN
 ARPT ELEVATION: 782.2
 AIRPORT REFERENCE POINT

SITE NUMBER: 09809.A
 SURVEY DATE: 07/15/2004
 HORIZONTAL DATUM: NAD83
 VERTICAL DATUM: NAVD88
 ATCT FLOOR ELEV: 855.0
 DECLINATION: 6.8W

DISTANCE FROM RWY END: 36+2608
 LATITUDE: 425755.8
 LONGITUDE: -834436.5

RUNWAY INFORMATION

RUNWAY: 5/23 LENGTH: 4253 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
5	425741.7164	-834441.0975	778.1	462719	779.1				
23	425810.6500	-834359.6405	762.8	2262747	777.8	352	425808.2579	-834403.0686	763.0

PROFILE DATA

DISTANCES FROM APPROACH END 5

DISTANCES FROM APPROACH END 23

DISTANCE	ELEV
0	778.1
555	779.1
1763	776.4
3901	763.0
4223	763.0
4253	762.8

DISTANCE	ELEV
0	762.8
30	763.0
352	763.0
2490	776.4
3698	779.1
4253	778.1

RUNWAY: 9/27 LENGTH: 7201 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
9	425808.3109	-834535.3726	763.9	881443	771.2				
27	425810.4776	-834358.5609	762.6	2681549	770.2				

PROFILE DATA

DISTANCES FROM APPROACH END 9

DISTANCES FROM APPROACH END 27

DISTANCE	ELEV
0	763.9
744	764.7
2203	771.1
4402	770.1
6225	766.5
7099	763.0
7201	762.6

DISTANCE	ELEV
0	762.6
102	763.0
976	766.5
2799	770.1
4998	771.1
6457	764.7
7201	763.9

RUNWAY: 18/36 LENGTH: 7849 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
18	425821.8328	-834436.4462	764.0	1790735	777.1	200	425819.8604	-834436.4052	765.0
36	425704.3200	-834434.8371	779.1	3590736	782.2				

PROFILE DATA

DISTANCES FROM APPROACH END 18

DISTANCES FROM APPROACH END 36

DISTANCE	ELEV
0	764.0
200	765.0
1235	770.1
3680	779.1
5241	782.2

DISTANCE	ELEV
0	779.1
2608	782.2
4169	779.1
6614	770.1
7649	765.0

PROFILE DATA

ADSMI618

DISTANCES FROM APPROACH END 18

DISTANCE	ELEV
7849	779.1

DISTANCES FROM APPROACH END 36

DISTANCE	ELEV
7849	764.0

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NAVIGATIONAL AID INFORMATION

ELECTRONIC	LATITUDE	LONGITUDE	ELEV	OFFSET DISTANCE	ALONG CNTRLN DISTANCE
ASR (FNT)	425722.4736	-834448.8709	778.5		
ASR (FNT) (UNC)	425755.9422	-834528.6306	768.9		
GS (9)	425804.7018	-834519.7374	761.5		
GS (9) PP	425808.6587	-834519.9022	766.7	401R	1151
GS (27)	425806.2396	-834411.8322	765.9		
GS (27) PP	425810.1783	-834411.9950	766.6	399L	999
LOC (9)	425810.7832	-834345.1227	759.1		1000
LOC (27)	425807.8465	-834556.0391	756.1		1537
LOM (9)	425805.1949	-835324.4234			34876
MM (9)	425807.3831	-834616.5218			3061
MM (27)	425812.5986	-834320.4191			2844
OM (27)	425814.1216	-833908.9342			21537
VORTAC (FNT)	425800.3585	-834449.1561	770.4		

VISUAL	LATITUDE	LONGITUDE
ALS (9)		
ALS (27)		
APBN	425706.1674	-834357.5078
VASI (18)		
VASI (27)		
VASI (36)		

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OBSTRUCTION INFORMATION

5 BV

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	425727.50	-834458.50	1A	851		73	72	69	1929		152R	-14
TREE	425729.38	-834501.84	1A	854		76	75	72	1978		157L	-13

23 BV

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	425820.59	-834341.45	1A	836		73	58	54	1673	2025	202L	0
VENT ON OL BLDG	425834.14	-834321.78	1A	855		92	77	73	3679	4031	215L	-82

9 PIR

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GRD	425805.63	-834355.76	1A	763		-1	-8	-19	-7394		497R	0
OL ON GS	425806.24	-834411.83	1A	807		43	36	25	-6202		399R	41
OL ON GS	425804.70	-834519.74	1A	799		35	28	17	-1151		401R	32
TREE	425814.25	-834554.05	1A	802		38	31	20	1370		643L	15
ROD ON OL LOC	425807.85	-834556.04	1A	778		14	7	-4	1537		0R	-13
CATENARY	425814.80	-834556.71	1M	793		29	22	11	1565		*705L	1
RR	425814.88	-834557.75	1A	792		28	21	10	1643		716L	-1
TREE	425814.66	-834600.79	1A	807		43	36	25	1869		700L	10
TREE	425812.90	-834608.67	1A	824		60	53	42	2460		540L	15
POLE	425810.64	-834613.16	1A	813		49	42	31	2801		322L	-3
TREE	425816.01	-834613.88	1A	825		61	54	43	2837		867L	8
TREE	425816.68	-834614.39	1A	826		62	55	44	2874		*936L	8
POLE	425809.46	-834617.85	1A	823		59	52	41	3153		214L	0
TREE	425806.43	-834620.67	1A	839		75	68	57	3372		87R	12

9 PIR (CONTINUED)

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	425803.75	-834621.08	1A	843		79	72	61	3411		358R	15
POLE	425808.36	-834622.27	1A	826		62	55	44	3485		112L	-4
TREE	425759.99	-834622.21	1A	848		84	77	66	3507		736R	18
TREE	425800.49	-834629.30	1A	855		91	84	73	4032		668R	14
TREE	425815.84	-834630.23	1A	840		76	69	58	4053		888L	-1
TREE	425755.63	-834634.44	1A	859		95	88	77	4429		*1149R	11
TREE	425804.36	-834635.22	1A	844		80	73	62	4460		263R	-6
TREE	425754.32	-834643.87	1A	871		107	100	89	5134		*1260R	8
TREE	425754.63	-834644.27	1A	871		107	100	89	5163		1227R	8
TREE	425808.44	-834655.88	1A	867		103	96	85	5983		197L	-12

27 PIR

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON GS	425804.70	-834519.74	1A	799		36	29	17	-6051		401L	32
OL ON GS	425806.24	-834411.83	1A	807		44	37	25	-999		399L	41
GRD	425805.63	-834355.76	1A	763		0	-7	-19	193		497L	0
OL ON LOC	425810.78	-834345.12	1A	778		15	8	-4	1000		1R	-1
TREE	425804.05	-834334.18	1A	804		41	34	22	1792		705L	10
TREE	425803.61	-834321.17	1A	832		69	62	50	2757		779L	18
TREE	425819.01	-834319.83	1A	847		84	77	65	2904		776R	31
TREE	425812.34	-834318.70	1A	839		76	69	57	2968		98R	21
TREE	425820.69	-834317.04	1A	842		79	72	60	3117		*940R	21
TREE	425812.77	-834301.52	1A	854		91	84	72	4246		104R	10
TREE	425814.01	-834251.48	1A	864		101	94	82	4996		207R	5
TREE	425804.49	-834242.65	1A	872		109	102	90	5623		776L	1
TREE	425823.08	-834239.00	1A	875		112	105	93	5951		1096R	-2

18 C

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL WSK	425713.80	-834431.46	1A	801		37	24	19	-6893	-6693	*266L	20
RD(N)	425831.97	-834437.06	1A	774		10	-3	-8	1027	1227	30R	-14

18 C (CONTINUED)

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	425834.32	-834442.85	1A	801		37	24	19	1271	1471	*457R	6
TREE	425835.48	-834440.48	1A	808		44	31	26	1386	1586	279R	9
POLE	425836.84	-834436.66	1A	798		34	21	16	1519	1719	7L	-5
TREE	425840.88	-834442.81	1A	824		60	47	42	1935	2135	443R	9
TREE	425841.97	-834437.27	1A	832		68	55	50	2040	2240	30R	13
TREE	425843.28	-834435.08	1A	838		74	61	56	2170	2370	135L	16
TREE	425843.89	-834432.89	1A	843		79	66	61	2229	2428	299L	19
TREE	425844.92	-834437.08	1A	836		72	59	54	2338	2538	12R	9

36 C

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL WSK	425713.80	-834431.46	1A	801		22	19	19	-956		*266R	20
TREE	425645.04	-834440.96	1A	848		69	66	66	1945		485L	17
TREE	425644.63	-834439.08	1A	838		59	56	56	1988		346L	6
TREE	425641.62	-834437.58	1A	855		76	73	73	2295		239L	14
TREE	425639.61	-834442.29	1A	864		85	82	82	2494		592L	17
TREE	425636.09	-834429.07	1A	860		81	78	78	2864		385R	2
TREE	425635.92	-834425.63	1A	867		88	85	85	2886		641R	9
TREE	425635.88	-834425.27	1A	870		91	88	88	2890		*668R	12
TREE	425635.58	-834433.78	1A	854		75	72	72	2911		34R	-5

ARP HCT

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAA	MAG	BEARING	DISTANCE	PNTR
OL ON LTD WSK	425802.50	-834426.02	1A	799		17		5547	1033	-5
OL VORTAC	425800.36	-834449.16	1A	810		28		30255	1048	-19
OL ANT	425800.74	-834449.81	1A	812		30		30336	1109	-11
TREE	425750.56	-834420.40	1A	804		22		12043	1309	5
TREE	425740.32	-834426.34	1A	847		65		16103	1740	4
ROD ON OL TWR	425800.71	-834459.87	1A	807		25		29247	1807	-14
TREE	425740.61	-834451.13	1A	805		23		22204	1883	-14
FLDLT	425816.94	-834444.13	1A	801		19		35157	2214	-7

ARP	HCT	(CONTINUED)									
OBJECT		LATITUDE	LONGITUDE	A	ELEV	AGL	HAA	MAG	BEARING	DISTANCE	PNTR
ANT ON OL ATCT		425742.10	-834503.81	1A	884		102		24228	2459	-49
FLDLT		425823.86	-834426.41	1A	813		31		2135	2939	-22
LT		425824.66	-834429.19	1A	795		13		1720	2972	-11
TREE		425826.60	-834445.15	1A	814		32		35509	3184	-7
ANT ON OL ASR TWR		425722.47	-834448.87	1A	846		64		20203	3497	-45
TREE		425722.14	-834424.39	1A	863		81		17200	3525	2
ANT ON OL ASR		425755.94	-834528.63	1A	865		83		27701	3876	-9
TREE		425834.32	-834442.85	1A	801		19		35954	3928	-1
TREE		425816.34	-834524.73	1A	820		38		30654	4145	14
OL WSK		425713.80	-834431.46	1A	801		19		18145	4269	18
TREE		425802.52	-834334.55	1A	827		45		8823	4656	15
TREE		425820.59	-834341.45	1A	836		54		6516	4801	6
TREE		425844.50	-834428.52	1A	840		58		1339	4966	6
TREE		425703.02	-834443.70	1A	833		51		19231	5371	-5
TREE		425703.22	-834426.17	1A	839		57		17835	5379	3
TREE		425801.73	-834320.90	1A	839		57		9042	5653	13
TREE		425700.53	-834425.55	1A	846		64		17831	5655	3
TREE		425659.78	-834441.93	1A	827		45		19052	5686	5
POLE		425817.02	-834547.72	1A	817		35		29853	5715	-5
TREE		425659.07	-834425.77	1A	843		61		17853	5799	1
TREE		425756.21	-834555.40	1A	841		59		27713	5867	-18
TREE		425657.36	-834442.02	1A	843		61		19046	5931	18
TREE		425657.25	-834428.01	1A	827		45		18043	5962	9
POLE		425815.27	-834554.81	1A	793		11		29531	6147	-5
TREE		425654.28	-834428.23	1A	829		47		18109	6259	11
CATENARY		425814.80	-834556.71	1M	793		11		29441	6266	1
TREE		425820.69	-834317.04	1A	842		60		7341	6423	20
TREE		425652.46	-834443.80	1A	866		84		19138	6436	17
FLDLT		425841.29	-834331.05	1A	874		92		5322	6700	-59
TREE		425649.31	-834443.60	1A	872		90		19117	6753	21
VENT ON OL BLDG		425834.14	-834321.78	1A	855		73		6151	6778	-78
TREE		425648.48	-834426.76	1A	848		66		18044	6854	11
ANT ON MCWV TWR		425839.05	-834547.57	1A	927		145		31627	6863	-5
TREE		425758.82	-834258.46	1A	860		78		9423	7296	-13
TREE		425642.26	-834444.37	1A	865		83		19117	7469	-1
TREE		425816.68	-834614.39	1A	826		44		29300	7579	3
TREE		425817.83	-834615.44	1A	834		52		29340	7687	-5

ARP	HCT	(CONTINUED)									
OBJECT		LATITUDE	LONGITUDE	A	ELEV	AGL	HAA	MAG	BEARING	DISTANCE	PNTR
ROD ON LTD TWR		425901.39	-834342.41	1A	934		152		3759	7764	1
TREE		425759.11	-834250.21	1A	858		76		9421	7910	-12
TREE		425635.88	-834425.27	1A	870		88		18054	8135	10
TREE		425755.63	-834634.44	1A	859		77		27642	8769	9
TREE		425754.32	-834643.87	1A	871		89		27554	9472	5

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.