

AERONAUTICAL DATA SHEET  
 NATIONAL GEODETIC SURVEY

DATE GENERATED: 07/12/2001

PROJECT NUMBER: 5652  
 ARPT IDENTIFIER: BIV  
 ARPT NAME: TULIP CITY AIRPORT  
 CITY: HOLLAND  
 STATE: MICHIGAN  
 ARPT ELEVATION: 687.4  
 AIRPORT REFERENCE POINT

DISTANCE FROM RWY END: 26+0  
 LATITUDE: 424435.4  
 LONGITUDE: -860618.1

SITE NUMBER: 09925.A  
 SURVEY DATE: 08/05/2000  
 HORIZONTAL DATUM: NAD83  
 VERTICAL DATUM: NAVD88  
 ATCT FLOOR ELEV:  
 DECLINATION: 4.3W

RUNWAY INFORMATION

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RUNWAY: 8/26      LENGTH: 4999      WIDTH: 100      SURFACE TYPE: SPECIALLY PREPARED HARD SURFACE - PAVED

RUNWAY END DATA  
 GEODETIC

| RWY | LATITUDE    | LONGITUDE    | ELEV  | AZ (N)  | TDZE  |
|-----|-------------|--------------|-------|---------|-------|
| 8   | 424430.9583 | -860651.0835 | 687.1 | 794234  | 687.1 |
| 26  | 424439.7736 | -860545.1708 | 687.4 | 2594318 | 687.4 |

DISPLACED THRESHOLD DATA

| LENGTH | LATITUDE | LONGITUDE | ELEV |
|--------|----------|-----------|------|
|        |          |           |      |

PROFILE DATA

DISTANCES FROM APPROACH END 8

| DISTANCE | ELEV  |
|----------|-------|
| 0        | 687.1 |
| 1856     | 672.9 |
| 2474     | 670.8 |
| 3153     | 672.9 |
| 4999     | 687.4 |

DISTANCES FROM APPROACH END 26

| DISTANCE | ELEV  |
|----------|-------|
| 0        | 687.4 |
| 1846     | 672.9 |
| 2525     | 670.8 |
| 3143     | 672.9 |
| 4999     | 687.1 |

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HORIZONTAL DATUM: NAD83  
VERTICAL DATUM: NAVD88

NAVIGATIONAL AID INFORMATION

| ELECTRONIC |         | LATITUDE    | LONGITUDE    | ELEV  | OFFSET<br>DISTANCE | ALONG CNTRLN<br>DISTANCE |
|------------|---------|-------------|--------------|-------|--------------------|--------------------------|
| DME        | (26)    | 424433.4370 | -860656.3434 | 696.3 |                    |                          |
| GS         | (26)    | 424434.1400 | -860557.2652 | 670.5 |                    |                          |
| GS         | (26) PP | 424438.0290 | -860558.2222 | 679.6 | 400L               | 990                      |
| LOC        | (26)    | 424430.3070 | -860655.9417 | 684.4 |                    | 368                      |

| VISUAL |      | LATITUDE    | LONGITUDE    |
|--------|------|-------------|--------------|
| ALS    | (26) |             |              |
| APBN   |      | 424442.3349 | -860635.5199 |
| PAPI   | (8)  |             |              |
| PAPI   | (26) |             |              |
| REIL   | (8)  |             |              |
| REIL   | (26) |             |              |

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## OBSTRUCTION INFORMATION

8 C

| OBJECT       | LATITUDE  | LONGITUDE  | A  | ELEV | AGL | HAR | HAT | HAA | DEND  | DTHR | DCLN  | PNTR |
|--------------|-----------|------------|----|------|-----|-----|-----|-----|-------|------|-------|------|
| ROD ON OL GS | 424434.14 | -860557.27 | 1A | 722  |     | 35  | 35  | 35  | -4009 |      | 400R  | 43   |
| TREE         | 424441.80 | -860608.44 | 1A | 694  |     | 7   | 7   | 7   | -3327 |      | *512L | 20   |
| BUSH         | 424441.49 | -860608.44 | 1A | 686  |     | -1  | -1  | -1  | -3322 |      | 481L  | 11   |
| TREE         | 424434.13 | -860607.14 | 1A | 683  |     | -4  | -4  | -4  | -3283 |      | 270R  | 9    |
| OL ON DME    | 424433.44 | -860656.34 | 1A | 700  |     | 13  | 13  | 13  | 341   |      | 317L  | 9    |
| OL ON LOC    | 424430.31 | -860655.94 | 1A | 692  |     | 5   | 5   | 5   | 368   |      | 0R    | 0    |
| RD(N)        | 424435.36 | -860657.45 | 1A | 699  |     | 12  | 12  | 12  | 388   |      | 523L  | 6    |
| OL ON LT     | 424434.68 | -860706.44 | 1A | 711  |     | 24  | 24  | 24  | 1060  |      | 575L  | -2   |
| LT           | 424434.04 | -860710.72 | 1A | 721  |     | 34  | 34  | 34  | 1386  |      | 568L  | -1   |
| POLE         | 424422.69 | -860717.25 | 1A | 734  |     | 47  | 47  | 47  | 2071  |      | 475R  | -8   |
| TREE         | 424422.32 | -860720.57 | 1A | 740  |     | 53  | 53  | 53  | 2321  |      | 468R  | -9   |

26 PIR

| OBJECT       | LATITUDE  | LONGITUDE  | A  | ELEV | AGL | HAR | HAT | HAA | DEND  | DTHR | DCLN  | PNTR |
|--------------|-----------|------------|----|------|-----|-----|-----|-----|-------|------|-------|------|
| TREE         | 424434.13 | -860607.14 | 1A | 683  |     | -4  | -4  | -4  | -1715 |      | 270L  | 9    |
| BUSH         | 424441.49 | -860608.44 | 1A | 686  |     | -1  | -1  | -1  | -1677 |      | 481R  | 11   |
| TREE         | 424441.80 | -860608.44 | 1A | 694  |     | 7   | 7   | 7   | -1672 |      | *512R | 20   |
| ROD ON OL GS | 424434.14 | -860557.27 | 1A | 722  |     | 35  | 35  | 35  | -990  |      | 400L  | 43   |
| BUSH         | 424442.67 | -860539.46 | 1A | 689  |     | 2   | 2   | 2   | 471   |      | 213R  | -4   |
| RD(N)        | 424446.05 | -860539.39 | 1A | 695  |     | 8   | 8   | 8   | 538   |      | 548R  | 0    |
| RD(N)        | 424435.38 | -860536.52 | 1A | 693  |     | 6   | 6   | 6   | 556   |      | 552L  | -2   |
| RR           | 424435.53 | -860529.70 | 1A | 709  |     | 22  | 22  | 22  | 1060  |      | 628L  | 5    |
| TREE         | 424445.04 | -860523.00 | 1A | 707  |     | 20  | 20  | 20  | 1723  |      | 229R  | -11  |
| TREE         | 424437.05 | -860517.57 | 1A | 713  |     | 26  | 26  | 26  | 1978  |      | 639L  | -10  |
| TREE         | 424448.21 | -860458.46 | 1A | 742  |     | 55  | 55  | 55  | 3582  |      | 219R  | -13  |

ARP HCT

| OBJECT         | LATITUDE  | LONGITUDE  | A  | ELEV | AGL | HAA | MAG | BEARING | DISTANCE | PNTR |
|----------------|-----------|------------|----|------|-----|-----|-----|---------|----------|------|
| TREE           | 424429.13 | -860620.09 | 1A | 722  |     | 35  |     | 19729   | 652      | 37   |
| TREE           | 424441.80 | -860608.44 | 1A | 694  |     | 7   |     | 5221    | 969      | 18   |
| ANT ON OL APBN | 424442.33 | -860635.52 | 1A | 710  |     | 23  |     | 30240   | 1477     | -28  |
| OL ON LTD WSK  | 424427.37 | -860636.56 | 1A | 695  |     | 8   |     | 24345   | 1600     | 8    |
| TREE           | 424425.50 | -860635.17 | 1A | 745  |     | 58  |     | 23605   | 1621     | 30   |
| ANT ON OL HGR  | 424440.79 | -860640.16 | 1A | 729  |     | 42  |     | 29239   | 1734     | 1    |
| TREE           | 424438.45 | -860656.57 | 1A | 738  |     | 51  |     | 28026   | 2887     | 5    |
| TREE           | 424420.87 | -860700.96 | 1A | 751  |     | 64  |     | 24936   | 3520     | 2    |
| OL ON BLDG     | 424436.55 | -860708.31 | 1A | 721  |     | 34  |     | 27605   | 3749     | -18  |
| TREE           | 424452.25 | -860530.05 | 1A | 736  |     | 49  |     | 6851    | 3971     | -27  |
| OL ANT         | 424355.50 | -860608.09 | 1A | 879  | 201 | 192 |     | 17349   | 4108     | 42   |
| TREE           | 424451.38 | -860526.23 | 1A | 732  |     | 45  |     | 7137    | 4195     | -12  |
| TREE           | 424432.47 | -860519.82 | 1A | 756  |     | 69  |     | 9811    | 4359     | -10  |
| ANT ON OL TK   | 424518.19 | -860509.78 | 1A | 855  |     | 168 |     | 5356    | 6690     | 18   |

## ADDITIONAL INFORMATION:

THE POSITIONS GIVEN FOR RUNWAY ENDS 8 AND 26 WERE ESTABLISHED AT THE TIME OF SURVEY. SINCE THEN, THE LENGTH HAS BEEN EXTENDED AND NEW COORDINATES HAVE BEEN SUBMITTED BY THE AIRPORT AUTHORITIES TO THE FAA. CONTACT NFDC OR AVN FOR THE LATEST COORDINATES.

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.