

# Iowa State Patrol

## Measurement Data Log

|                     |                            |                             |                           |
|---------------------|----------------------------|-----------------------------|---------------------------|
| File Number         | 2017010568                 | Scene Measured By           | Sr. Trp. Eric Payne       |
| Incident Date/Time  | 7-Apr-2017 03:10 PM        | ID Number (measured by)     | ████                      |
| Incident Location   | 41°39'10.68N, 91°42'25.12W | Scene Assisted By           | Sr. Trp. Matt Schwenn     |
| Date Measured On    | 7-Apr-2017                 | ID Number (assisted by)     | ████                      |
| Weather Description | Clear                      | Reference Point Description | NW Edge, Drainage Culvert |
| Road Description    |                            | Secondary Reference Point   |                           |
|                     |                            | Visibility Description      | Unlimited                 |

Narrative

| Point | X        | Y        | Z       | Description | Notes      |
|-------|----------|----------|---------|-------------|------------|
| 1     | 0.0000   | 0.0000   | 0.0000  |             |            |
| 2     | 0.0000   | 8.1773   | -1.1541 |             |            |
| 3     | 34.0588  | 16.3063  | -1.4342 | WIND        | windscreen |
| 4     | 40.9490  | 5.6154   | -1.7575 | WIND        | windscreen |
| 5     | 61.6608  | -0.5695  | -1.7417 | WIND        | windscreen |
| 6     | 69.3156  | -2.9351  | -1.6798 | WIND        | windscreen |
| 7     | 72.5122  | 7.8176   | -1.5155 | WIND        | windscreen |
| 8     | 78.4569  | 6.2574   | -1.5816 | WIND        | windscreen |
| 9     | 80.0443  | 5.7002   | -1.6011 | WIND        | windscreen |
| 10    | 81.0506  | 4.8295   | -1.5833 | WIND        | windscreen |
| 11    | 86.5277  | -17.7834 | -1.7130 | WIND        | windscreen |
| 12    | 85.2048  | -25.2015 | -1.8123 | DEBRIS      | Debris     |
| 13    | 97.0401  | -57.0654 | -1.8791 | CHAR        | Burn       |
| 14    | 97.1090  | -11.8571 | -1.7902 | WIND        | windscreen |
| 15    | 106.8083 | -18.7782 | -1.6302 | WIND        | windscreen |
| 16    | 112.2197 | -18.7797 | -1.6850 | DEBRIS      | Debris     |
| 17    | 111.9770 | -2.7492  | -1.5478 | FBGLS       | Charred    |
| 18    | 122.1212 | -0.1409  | -1.4494 | WIND        | windscreen |
| 19    | 133.8254 | -9.4343  | -1.3621 | CHAR        | Burn       |
| 20    | 132.6676 | 4.3379   | -1.3576 | CHAR        | Burn       |
| 21    | 139.0896 | 24.2118  | -1.3125 | CHAR        | Burn       |
| 22    | 148.1359 | 18.8496  | -1.3198 | CHAR        | Burn       |
| 23    | 153.1941 | 29.6908  | -1.2694 | CHAR        | Burn       |
| 24    | 146.7843 | 40.2176  | -1.1945 | CHAR        | Burn       |
| 25    | 140.0242 | 39.5913  | -1.2436 | CHAR        | Burn       |

| Point | X        | Y       | Z       | Description | Notes           |
|-------|----------|---------|---------|-------------|-----------------|
| 25    | 140.0242 | 39.5913 | -1.2436 | CHAR        | Burn            |
| 26    | 136.8919 | 45.7591 | -1.2840 | CHAR        | Burn            |
| 27    | 131.0516 | 37.1614 | -1.3762 | CHAR        | Burn            |
| 28    | 125.2830 | 31.0160 | -1.3863 | CHAR        | Burn            |
| 29    | 118.9570 | 37.6396 | -1.4060 | CHAR        | Burn            |
| 30    | 113.4466 | 30.6681 | -1.4785 | CHAR        | Burn            |
| 31    | 105.0053 | 32.9956 | -1.4808 | CHAR        | Burn            |
| 32    | 85.0178  | 38.2169 | -1.4613 | CHAR        | Burn            |
| 33    | 70.1331  | 47.7081 | -1.4614 | CHAR        | Burn            |
| 34    | 61.4236  | 45.1128 | -1.5411 | CHAR        | Burn            |
| 35    | 57.8658  | 38.9873 | -1.5992 | CHAR        | Burn            |
| 36    | 59.1065  | 16.6531 | -1.6847 | CHAR        | Burn            |
| 37    | 73.7390  | 14.5417 | -1.6027 | CHAR        | Burn            |
| 38    | 74.9873  | -0.4112 | -1.5898 | CHAR        | Burn            |
| 39    | 75.3670  | -6.3394 | -1.6078 | CHAR        | Burn            |
| 40    | 73.2650  | 13.8167 | -1.5848 | WIND        | windscreen      |
| 41    | 70.9300  | 12.7719 | -1.5437 | WIND        | windscreen      |
| 42    | 71.3291  | 16.2631 | -1.5601 | WIND        | windscreen      |
| 43    | 72.0440  | 16.0792 | -1.5735 | FBGLS       | Charred         |
| 44    | 62.5960  | 22.1346 | -1.5719 | WIND        | windscreen      |
| 45    | 64.9157  | 16.7068 | -1.5853 | HEADST      | headset         |
| 46    | 64.3440  | 15.9169 | -1.6089 | WIND        | windscreen      |
| 47    | 62.9108  | 12.5883 | -1.6161 | WIND        | windscreen      |
| 48    | 60.4305  | 13.2622 | -1.6938 | WIND        | windscreen      |
| 49    | 57.2302  | 11.6849 | -1.6831 | WIND        | windscreen      |
| 50    | 58.2026  | 11.4626 | -1.7057 | YOLK        | leather wrapped |
| 51    | 57.2491  | 11.9243 | -1.6898 | WIND        | windscreen      |
| 52    | 56.8774  | 19.5222 | -1.7245 | WIND        | windscreen      |
| 53    | 54.8460  | 18.8199 | -1.6725 | WIND        | windscreen      |
| 54    | 54.6415  | 16.1354 | -1.7395 | WIND        | windscreen      |
| 55    | 48.5878  | 17.6960 | -1.7074 | WIND        | windscreen      |
| 56    | 43.6416  | 12.6451 | -1.7870 | WIND        | windscreen      |
| 57    | 55.1543  | 18.8143 | -1.7205 | WIND        | windscreen      |
| 58    | 54.5335  | 25.1615 | -1.7672 | WIND        | windscreen      |
| 59    | 54.5801  | 29.5829 | -1.6957 | WIND        | windscreen      |
| 60    | 56.0673  | 31.4825 | -1.6784 | WIND        | windscreen      |
| 61    | 49.7835  | 30.4675 | -1.6095 | WIND        | windscreen      |
| 62    | 58.0095  | 39.8332 | -1.5724 | WIND        | windscreen      |
| 63    | 55.9253  | 40.8778 | -1.5517 | WIND        | windscreen      |
| 64    | 63.0493  | 46.3934 | -1.5396 | WIND        | windscreen      |
| 65    | 66.9267  | 49.2745 | -1.5393 | WIND        | windscreen      |
| 66    | 60.5444  | 50.7573 | -1.5376 | FBGLS       | Charred         |
| 67    | 44.5070  | 54.1045 | -1.5513 | WIND        | windscreen      |
| 68    | 70.2462  | 59.5216 | -1.4485 | FBGLS       | Charred         |

| Point | X        | Y       | Z       | Description | Notes           |
|-------|----------|---------|---------|-------------|-----------------|
| 68    | 70.2462  | 59.5216 | -1.4485 | FBGLS       | Charred         |
| 69    | 72.1765  | 62.1157 | -1.5009 | FBGLS       | Charred         |
| 70    | 74.0237  | 55.1415 | -1.4555 | FBGLS       | Charred         |
| 71    | 75.8857  | 55.3560 | -1.4641 | FBGLS       | Charred         |
| 72    | 80.9650  | 52.2000 | -1.4601 | FBGLS       | Charred         |
| 73    | 84.2619  | 51.0705 | -1.4829 | FBGLS       | Charred         |
| 74    | 89.0421  | 55.1547 | -1.4573 | FBGLS       | Charred         |
| 75    | 89.0199  | 51.5414 | -1.4490 | FBGLS       | Charred         |
| 76    | 74.8565  | 46.3075 | -1.4530 | FBGLS       | Charred         |
| 77    | 76.9164  | 43.3711 | -1.5501 | WIND        | windscreen      |
| 78    | 74.9245  | 42.6779 | -1.5234 | WIND        | windscreen      |
| 79    | 71.8486  | 38.6860 | -1.6299 | FBGLS       | Charred         |
| 80    | 74.9201  | 32.2235 | -1.6109 | FBGLS       | Charred         |
| 81    | 74.8561  | 29.3433 | -1.5440 | WIND        | windscreen      |
| 82    | 79.0391  | 29.7010 | -1.5477 | WIND        | windscreen      |
| 83    | 79.7411  | 28.0926 | -1.5112 | WIND        | windscreen      |
| 84    | 87.5757  | 32.3103 | -1.4992 | WIND        | windscreen      |
| 85    | 88.3088  | 37.1186 | -1.5347 | WIND        | windscreen      |
| 86    | 92.2700  | 33.8274 | -1.5703 | WIND        | windscreen      |
| 87    | 90.8987  | 28.8445 | -1.5443 | WINDOW      | panel           |
| 88    | 91.5782  | 26.9100 | -1.5783 | WINDOW      | panel           |
| 89    | 88.8145  | 27.0220 | -1.5424 | YOLK        | leather wrapped |
| 90    | 90.1813  | 24.7658 | -1.6303 | INSTRU      | compass         |
| 91    | 98.2688  | 30.9599 | -1.5988 | WIND        | windscreen      |
| 92    | 95.5610  | 24.3380 | -1.5585 | WIND        | windscreen      |
| 93    | 93.0925  | 21.7114 | -1.7332 | NOSE        | engine          |
| 94    | 90.7523  | 20.9166 | -1.6684 | PROP        |                 |
| 95    | 88.2060  | 22.4370 | -1.6252 | ENGINE      | cowl            |
| 96    | 87.2171  | 19.5300 | -1.6086 | ENGINE      | cowl            |
| 97    | 79.3030  | 19.9204 | -1.5715 | LWING       |                 |
| 98    | 84.9017  | 19.0206 | -1.5739 | LWING       |                 |
| 99    | 90.4786  | 17.7835 | -1.6497 | LWING       |                 |
| 100   | 97.8192  | 16.2207 | -1.7522 | RWING       |                 |
| 101   | 97.2130  | 15.5594 | -1.3268 | BDYH        | body head 2     |
| 102   | 101.4978 | 13.0452 | -1.5749 | RWING       |                 |
| 103   | 106.1310 | 8.7385  | -1.6403 | RWING       |                 |
| 104   | 107.4721 | 23.0923 | -1.6786 | FUELB       | fuel bowl       |
| 105   | 98.9663  | 11.2340 | -1.7613 | RWING       |                 |
| 106   | 96.2367  | 12.0717 | -1.3605 | RWING       |                 |
| 107   | 96.0105  | 8.6799  | -1.5848 | TAIL        |                 |
| 108   | 96.4661  | 5.4909  | -1.3236 | TAIL        |                 |
| 109   | 99.9992  | 6.2632  | -1.6011 | TAIL        |                 |
| 110   | 100.5840 | 3.7190  | -1.6379 | TAIL        |                 |
| 111   | 91.8028  | 0.9747  | -1.6268 | TAIL        |                 |

| Point | X         | Y        | Z       | Description | Notes        |
|-------|-----------|----------|---------|-------------|--------------|
| 111   | 91.8028   | 0.9747   | -1.6268 | TAIL        |              |
| 112   | 90.7631   | 3.2105   | -1.6289 | TAIL        |              |
| 113   | 94.7335   | 4.7152   | -1.6644 | TAIL        |              |
| 114   | 90.7898   | 12.6668  | -1.6127 | TAIL        |              |
| 115   | 85.7969   | 13.9247  | -1.5516 | LWING       |              |
| 116   | 84.5993   | 12.3530  | -1.5492 | BDYH        | body head 2  |
| 117   | 79.2371   | 11.6167  | -1.5253 | BDYF        | body feet 2  |
| 118   | 94.3983   | 15.3911  | -1.3565 | BDYM        | body mid 1   |
| 119   | 86.9858   | 7.8262   | -1.5111 | LNDGR       | landing gear |
| 120   | 88.5108   | 6.5995   | -1.6372 | LNDGR       | landing gear |
| 121   | 97.6093   | 9.6772   | -1.6844 | LNDGR       | landing gear |
| 122   | 96.7830   | 10.9230  | -1.6366 | LNDGR       | landing gear |
| 123   | 1.0703    | -29.1875 | -1.6980 | CULVER      | culvert      |
| 124   | 0.0121    | 8.1682   | -1.1544 | CULVER      | culvert      |
| 125   | -0.0002   | 8.2594   | -1.2245 | BS          | back sight   |
| 126   | -0.0002   | 8.2586   | -1.2239 | BS          | back sight   |
| 127   | 1428.7330 | 549.6157 | 63.1199 | CHAR        | Burn         |

| Iowa State Patrol   |            | A/C Fatality Collision               |             |
|---------------------|------------|--------------------------------------|-------------|
| Drawn By            | Date Drawn | Incident Date: 4/7/2017              | Case Number |
| Sr. Trp. Eric Payne | 4/7/2017   | Location: 41°39'10.68N, 91°42'25.12W | 2017010568  |
|                     |            |                                      | Scale       |
|                     |            |                                      | 1" = 20'    |



