



ROUTE REPORT DTG: 12/25/2012 11:07:05 AM FOR ROUTE FILE: ROUTE_122512_1106
FAA OBSTACLE DATABASE PUBLISHED 12/9/2012 INCLUDES DATA UP TO 12/8/2012
FAA Construction Notices as of 12:00:00 AM adds no new Obstacles.
ROUTE CORRIDOR SPAN: 0.50 NM either side of Route.

CHART: Washington North 92 EFFECTIVE: Jul 26, 2012 TO: Feb 7, 2013

LEG 1: 8.2 NM at 197.6° TRU CRS (207.8° MAG HDG) with 110 OBSTACLES
HIGHEST TERRAIN: 771 FT at 1.0 NM from START of LEG
HIGHEST AMSL OBSTACLE: 999 FT plus 50 FT at 4.9 NM from START of LEG
HIGHEST AGL OBSTACLE: 269 FT plus 50 FT at 4.9 NM from START of LEG
LEG 1 ZERO CLEARANCE MINIMUM FLIGHT ALTITUDE: 1049 FT (OBSTACLE)

LEG 2: 27.4 NM at 76.1° TRU CRS (86.2° MAG HDG) with 1 OBSTACLE
HIGHEST TERRAIN: 1765 FT at 14.4 NM from START of LEG
HIGHEST AMSL OBSTACLE: 828 FT plus 50 FT at 27.3 NM from START of LEG
HIGHEST AGL OBSTACLE: 188 FT plus 50 FT at 27.3 NM from START of LEG
LEG 2 ZERO CLEARANCE MINIMUM FLIGHT ALTITUDE: 1765 FT (TERRAIN)

LEG 3: 22.8 NM at 273.4° TRU CRS (283.9° MAG HDG) with 2 OBSTACLES
HIGHEST TERRAIN: 1598 FT at 8.9 NM from START of LEG
HIGHEST AMSL OBSTACLE: 1736 FT plus 50 FT at 9.6 NM from START of LEG
HIGHEST AGL OBSTACLE: 380 FT plus 50 FT at 9.6 NM from START of LEG
LEG 3 ZERO CLEARANCE MINIMUM FLIGHT ALTITUDE: 1786 FT (OBSTACLE)

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 ROUTE CORRIDOR SPAN: 0.50 NM either side of Route.

CHART: Washington North 92 EFFECTIVE: Jul 26, 2012 TO: Feb 7, 2013
 FROM 39 08 36, -78 08 40 TO 39 00 45, -78 11 52
 LEG 1 LENGTH: 8.2 NM TRUE CRS: 197.6° MAG HDG: 207.8°

HIGHEST	RDIST	ODIST	AMSL	AGL	LATITUDE	LONGITUDE	HV	QTY	OBSTACLE	CITY, STATE
0.0	0.2	0.2	741	25	39.1425	-78.1412	2C	1	POLE	WINCHESTER VA
0.0	0.2	0.2	756	36	39.1436	-78.1478	2C	1	POLE	WINCHESTER VA
0.0	0.3	0.3	749	36	39.1438	-78.1377	VV	1	BLDG	WINCHESTER VA
0.0	0.2	0.2	755	35	39.1438	-78.1481	2C	1	POLE	WINCHESTER VA
0.0	0.2	0.2	742	22	39.1440	-78.1484	2C	1	FENCE	WINCHESTER VA
0.0	0.2	0.2	742	22	39.1440	-78.1484	2C	1	FENCE	WINCHESTER VA
0.0	0.2	0.2	733	6	39.1444	-78.1485	2C	1	POLE	WINCHESTER VA
0.0	0.2	0.2	735	7	39.1444	-78.1487	2C	1	FENCE	WINCHESTER VA
0.0	0.2	0.2	735	7	39.1445	-78.1487	2C	1	FENCE	WINCHESTER VA
0.0	0.2	0.2	734	6	39.1445	-78.1488	2C	1	FENCE	WINCHESTER VA
0.0	0.2	0.2	734	6	39.1445	-78.1488	2C	1	FENCE	WINCHESTER VA
0.0	0.2	0.2	769	34	39.1446	-78.1496	2C	1	BLDG	WINCHESTER VA
0.0	0.2	0.2	735	7	39.1446	-78.1488	2C	1	FENCE	WINCHESTER VA
0.0	0.2	0.2	762	34	39.1446	-78.1489	2C	1	POLE	WINCHESTER VA
0.0	0.2	0.2	734	7	39.1446	-78.1488	2C	1	FENCE	WINCHESTER VA
0.0	0.2	0.2	735	8	39.1447	-78.1488	2C	1	FENCE	WINCHESTER VA
0.0	0.3	0.3	761	30	39.1447	-78.1499	2C	1	POLE	WINCHESTER VA
0.0	0.2	0.2	763	34	39.1448	-78.1494	2C	1	CATENARY	WINCHESTER VA
0.0	0.2	0.2	757	29	39.1448	-78.1490	2C	1	POLE	WINCHESTER VA
0.0	0.2	0.2	736	8	39.1449	-78.1491	2C	1	FENCE	WINCHESTER VA
0.0	0.2	0.2	736	8	39.1449	-78.1490	2C	1	FENCE	WINCHESTER VA
0.0	0.2	0.2	736	8	39.1450	-78.1491	2C	1	FENCE	WINCHESTER VA
0.0	0.2	0.2	736	8	39.1450	-78.1493	2C	1	FENCE	WINCHESTER VA
0.0	0.3	0.3	763	35	39.1450	-78.1497	2C	1	POLE	WINCHESTER VA
0.0	0.2	0.2	736	8	39.1450	-78.1493	2C	1	FENCE	WINCHESTER VA
0.0	0.2	0.2	736	9	39.1450	-78.1492	2C	1	FENCE	WINCHESTER VA
0.0	0.2	0.2	736	8	39.1450	-78.1494	2C	1	FENCE	WINCHESTER VA
0.0	0.3	0.3	755	28	39.1450	-78.1496	2C	1	POLE	WINCHESTER VA
0.0	0.3	0.3	736	8	39.1451	-78.1495	2C	1	FENCE	WINCHESTER VA
0.0	0.2	0.2	743	18	39.1451	-78.1489	2C	1	POLE	WINCHESTER VA
0.0	0.3	0.3	735	9	39.1451	-78.1496	2C	1	FENCE	WINCHESTER VA
0.0	0.3	0.3	755	29	39.1451	-78.1497	2C	1	POLE	WINCHESTER VA
0.0	0.3	0.3	762	36	39.1451	-78.1496	2C	1	POLE	WINCHESTER VA
0.0	0.3	0.3	762	36	39.1451	-78.1500	2C	1	POLE	WINCHESTER VA
0.0	0.3	0.3	733	8	39.1452	-78.1496	2C	1	FENCE	WINCHESTER VA
0.0	0.1	0.1	731	11	39.1452	-78.1442	2C	1	BLDG	WINCHESTER VA
0.0	0.2	0.2	758	33	39.1452	-78.1490	2C	1	BLDG	WINCHESTER VA
0.0	0.3	0.3	740	16	39.1453	-78.1494	2C	1	BLDG	WINCHESTER VA
0.0	0.3	0.3	754	29	39.1453	-78.1500	2C	1	POLE	WINCHESTER VA
0.0	0.3	0.3	743	19	39.1453	-78.1497	2C	1	BLDG	WINCHESTER VA
0.0	0.3	0.3	760	34	39.1454	-78.1505	2C	1	POLE	WINCHESTER VA
0.0	0.3	0.3	729	7	39.1454	-78.1495	2C	1	FENCE	WINCHESTER VA
0.0	0.3	0.3	742	18	39.1454	-78.1498	2C	1	BLDG	WINCHESTER VA
0.0	0.3	0.3	756	30	39.1454	-78.1504	2C	1	POLE	WINCHESTER VA
0.0	0.3	0.3	729	8	39.1455	-78.1494	2C	1	FENCE	WINCHESTER VA
0.0	0.3	0.3	763	35	39.1455	-78.1508	2C	1	POLE	WINCHESTER VA
0.0	0.3	0.3	743	18	39.1455	-78.1501	2C	1	BLDG	WINCHESTER VA
0.0	0.1	0.1	730	12	39.1456	-78.1444	2C	1	BLDG	WINCHESTER VA
0.0	0.3	0.3	758	29	39.1456	-78.1508	2C	1	POLE	WINCHESTER VA
0.0	0.3	0.3	734	10	39.1457	-78.1497	2C	1	BLDG	WINCHESTER VA
0.0	0.3	0.3	762	32	39.1457	-78.1512	2C	1	POLE	WINCHESTER VA
0.0	0.3	0.3	757	26	39.1458	-78.1512	2C	1	POLE	WINCHESTER VA

0.0	0.3	754	22	39.1459	-78.1510	2C	1	BLDG WINCHESTER VA
0.0	0.3	733	7	39.1459	-78.1496	2C	1	FENCE WINCHESTER VA
0.0	0.3	747	18	39.1459	-78.1508	2C	1	BLDG WINCHESTER VA
0.0	0.3	743	16	39.1460	-78.1506	2C	1	BLDG WINCHESTER VA
0.0	0.3	739	11	39.1460	-78.1507	2C	1	BLDG WINCHESTER VA
0.0	0.3	739	13	39.1460	-78.1503	2C	1	BLDG WINCHESTER VA
0.0	0.3	738	12	39.1461	-78.1508	2C	1	GEN UTIL WINCHESTER VA
0.0	0.3	734	8	39.1461	-78.1498	2C	1	FENCE WINCHESTER VA
0.0	0.3	732	7	39.1462	-78.1499	2C	1	FENCE WINCHESTER VA
0.0	0.4	729	8	39.1467	-78.1510	2C	1	FENCE WINCHESTER VA
0.0	0.4	728	7	39.1469	-78.1515	2C	1	FENCE WINCHESTER VA
0.0	0.4	731	7	39.1471	-78.1518	2C	1	FENCE WINCHESTER VA
0.0	0.3	733	7	39.1472	-78.1477	2C	1	ELEC SYS WINCHESTER VA
0.0	0.4	731	6	39.1472	-78.1521	2C	1	FENCE WINCHESTER VA
0.0	0.4	733	8	39.1473	-78.1522	2C	1	FENCE WINCHESTER VA
0.0	0.3	724	2	39.1473	-78.1490	2C	1	GEN UTIL WINCHESTER VA
0.0	0.3	724	3	39.1474	-78.1490	2C	1	GEN UTIL WINCHESTER VA
0.0	0.5	736	7	39.1478	-78.1530	2C	1	FENCE WINCHESTER VA
0.0	0.5	734	7	39.1480	-78.1528	2C	1	FENCE WINCHESTER VA
0.0	0.5	733	7	39.1481	-78.1528	2C	1	FENCE WINCHESTER VA
0.0	0.5	730	7	39.1482	-78.1527	2C	1	FENCE WINCHESTER VA
0.0	0.5	728	7	39.1484	-78.1530	2C	1	FENCE WINCHESTER VA
0.0	0.4	749	14	39.1485	-78.1487	2C	1	ELEC SYS WINCHESTER VA
0.0	0.5	727	3	39.1486	-78.1518	2C	1	GEN UTIL WINCHESTER VA
0.0	0.5	774	56	39.1506	-78.1493	VV	1	BLDG-TWR WINCHESTER VA
0.1	0.3	748	49	39.1404	-78.1390	2C	1	GEN UTIL WINCHESTER VA
0.1	0.3	710	11	39.1405	-78.1391	2C	1	BLDG WINCHESTER VA
0.1	0.3	733	34	39.1405	-78.1391	2C	1	TOWER WINCHESTER VA
0.1	0.1	727	18	39.1409	-78.1435	2C	1	BLDG WINCHESTER VA
0.1	0.1	729	19	39.1412	-78.1438	2C	1	BLDG WINCHESTER VA
0.1	0.1	730	20	39.1414	-78.1442	2C	1	BLDG WINCHESTER VA
0.1	0.0	728	19	39.1417	-78.1445	2C	1	BLDG WINCHESTER VA
0.1	0.0	741	32	39.1417	-78.1454	2C	1	BLDG WINCHESTER VA
0.1	0.0	744	34	39.1420	-78.1453	2C	1	BLDG WINCHESTER VA
0.1	0.0	714	6	39.1424	-78.1453	2C	1	ELEC SYS WINCHESTER VA
0.1	0.1	751	35	39.1424	-78.1466	2C	1	POLE WINCHESTER VA
0.1	0.1	752	36	39.1425	-78.1466	2C	1	POLE WINCHESTER VA
0.1	0.0	718	4	39.1426	-78.1457	2C	1	ELEC SYS WINCHESTER VA
0.1	0.1	753	36	39.1427	-78.1468	2C	1	POLE WINCHESTER VA
0.1	0.1	754	35	39.1431	-78.1471	2C	1	POLE WINCHESTER VA
0.1	0.1	755	36	39.1433	-78.1475	2C	1	POLE WINCHESTER VA
0.2	0.3	715	12	39.1381	-78.1393	2C	1	POLE WINCHESTER VA
0.2	0.3	718	15	39.1382	-78.1393	2C	1	POLE WINCHESTER VA
0.2	0.3	731	27	39.1383	-78.1408	2C	1	ELEC SYS WINCHESTER VA
0.2	0.2	730	25	39.1384	-78.1410	2C	1	POLE WINCHESTER VA
0.2	0.2	731	27	39.1385	-78.1412	2C	1	POLE WINCHESTER VA
0.2	0.2	730	25	39.1387	-78.1413	2C	1	POLE WINCHESTER VA
0.2	0.2	743	35	39.1388	-78.1419	2C	1	BLDG WINCHESTER VA
0.2	0.2	732	26	39.1389	-78.1416	2C	1	POLE WINCHESTER VA
0.2	0.2	731	25	39.1391	-78.1418	2C	1	POLE WINCHESTER VA
0.2	0.2	732	23	39.1394	-78.1424	2C	1	BLDG WINCHESTER VA
0.2	0.3	701	3	39.1397	-78.1399	2C	1	GEN UTIL WINCHESTER VA
0.2	0.3	701	3	39.1397	-78.1398	2C	1	GEN UTIL WINCHESTER VA
0.2	0.2	734	28	39.1398	-78.1423	2C	1	BLDG WINCHESTER VA
0.2	0.1	735	27	39.1404	-78.1433	2C	1	BLDG WINCHESTER VA
0.3	0.4	720	21	39.1373	-78.1388	2C	1	BLDG WINCHESTER VA
1.3	0.0	781	66	39.1233	-78.1534	VV	1	BLDG WINCHESTER VA
AMSL AGL>	4.9	0.5	999	269	39.0683	-78.1857	5D	1 TOWER STEPHENS CITY VA

LEG 1 OBSTACLE COUNT: 110

HIGHEST TERRAIN IN LEG: 771 FT DISTANCE: 1.0 NM at LAT: 39.13505 LON: -78.17004
HIGHEST AMSL OBSTACLE IN LEG: 999 FT plus 50 FT at 4.9 NM from START of LEG

HIGHEST AGL OBSTACLE IN LEG: 269 FT plus 50 FT at 4.9 NM from START of LEG
LEG 1 ZERO CLEARANCE MINIMUM FLIGHT ALTITUDE: 1049 FT (OBSTACLE)

FROM 39 00 45, -78 11 52 TO 39 07 15, -77 37 38
LEG 2 LENGTH: 27.4 NM TRUE CRS: 76.1° MAG HDG: 86.2°

HIGHEST RDIST ODIST AMSL AGL LATITUDE LONGITUDE HV QTY OBSTACLE CITY, STATE

AMSL AGL> 27.3 0.2 828 188 39.1236 -77.6250 5D 2 TOWER LEESBURG VA

LEG 2 OBSTACLE COUNT: 1

HIGHEST TERRAIN IN LEG: 1765 FT DISTANCE: 14.4 NM at LAT: 39.05489 LON: -77.89527
HIGHEST AMSL OBSTACLE IN LEG: 828 FT plus 50 FT at 27.3 NM from START of LEG
HIGHEST AGL OBSTACLE IN LEG: 188 FT plus 50 FT at 27.3 NM from START of LEG
LEG 2 ZERO CLEARANCE MINIMUM FLIGHT ALTITUDE: 1765 FT (TERRAIN)

FROM 39 07 15, -77 37 38 TO 39 08 32, -78 07 00
LEG 3 LENGTH: 22.8 NM TRUE CRS: 273.4° MAG HDG: 283.9°

HIGHEST RDIST ODIST AMSL AGL LATITUDE LONGITUDE HV QTY OBSTACLE CITY, STATE

0.0 0.2 828 188 39.1236 -77.6250 5D 2 TOWER LEESBURG VA
AMSL AGL> 9.6 0.5 1736 380 39.1382 -77.8331 5D 1 TOWER BLUEMONT WV

LEG 3 OBSTACLE COUNT: 2

HIGHEST TERRAIN IN LEG: 1598 FT DISTANCE: 8.9 NM at LAT: 39.14498 LON: -77.81518
HIGHEST AMSL OBSTACLE IN LEG: 1736 FT plus 50 FT at 9.6 NM from START of LEG
HIGHEST AGL OBSTACLE IN LEG: 380 FT plus 50 FT at 9.6 NM from START of LEG
LEG 3 ZERO CLEARANCE MINIMUM FLIGHT ALTITUDE: 1786 FT (OBSTACLE)

KEY TO TABLE FEATURES:

RDIST is distance along leg where Obstacle is located.
ODIST is distance of Obstacle either side of leg at RDIST.
QTY OBSTACLE CITY STATE described the Obstacle
HV is the FAA data accuracy pair where...
The H value is a key to the LOCATION ACCURACY (Example: 4 is +/- 250 Feet)
The V value is a key to the HEIGHT ACCURACY (Example: E is +/- 125 Feet)
LOCATION KEYS: 1=20' 2=50' 3=100' 4=250' 5=500' 6=1000' 7=0.5 NM 8=1 NM 9=Unknown
HEIGHT KEYS: A=3' B=10' C=20' D=50' E=125' F=250' G=500' H=1000' I=Unknown
If the KEY is V, then the FAA is unable to VERIFY the stated value.

KEY TO Obstacle MARKING & LIGHTING (ML) FEATURE:

MARKING:

F = FLAG MARKER
M = MARKED
N = NONE
P = ORANGE OR ORANGE AND WHITE PAINT
S = SPHERICAL MARKER
W = WHITE PAINT ONLY
U = UNKNOWN

LIGHTING:

C = DUAL MEDIUM CATENARY
D = MEDIUM INTENSITY WHITE STROBE & RED
F = FLOOD
H = HIGH INTENSITY WHITE STROBE & RED
L = LIGHTED (TYPE UNKNOWN)
M = MEDIUM INTENSITY STROBE
L = LIGHTED (TYPE UNKNOWN)
U = UNKNOWN
N = NONE
R = RED
S = HIGH INTENSITY STROBE
W = SYNCHRONIZED RED LIGHTING

The OBSTACLES are obtained from the FAA Digital Obstacle File which is updated on a 56 day cycle. It is up to the user of this software to make certain that the the most recent release of this File is downloaded.

The FAA also provides Chart Update Bulletins on a 28 day cycle. It is up to the user of this software to make certain that the most recent release of this data is downloaded. Obstacles from Chart Update Bulletins are indicated. This may result in duplicates. (You may also find that latitude and longitude values for the same obstacle may be slightly different indicating some inaccuracy in FAA data.)

Be aware that there can be a gap in this FAA data between the most recent FAA Digital Obstacle File and the FAA Chart Update Bulletins and the current date. To this end, it is up to the user to obtain a pre-flight briefing to determine if there are any NOTAMS that supercede (add, change, or remove obstacles) as tabulated by these databases as displayed herein.

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