

AREA SCAN FOUND 195 FAA OBSTACLES (SCALE: 1.0) AREA SCAN FOUND 195 FAA OBSTACLES

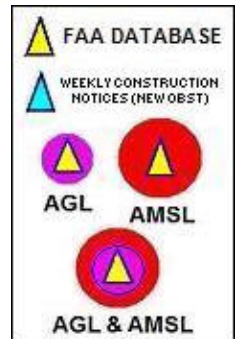
OBSTACLE AREA REPORT DTG: 12/25/2012 11:14:16 AM  
 FAA OBSTACLE DATABASE PUBLISHED 12/9/2012 COVERS OBSTACLES TO 12/8/2012

HIGHEST TERRAIN IN AREA (RED X): 2838 FT at LAT: 39.14500 LON: -78.43500

HIGHEST AMSL IN AREA (RED CIRCLE): 2648' AMSL 90' AGL (plus 125')  
 TOWER WINCHESTER, VA

HIGHEST AGL IN AREA (MAGENTA CIRCLE): 1092' AMSL 504' AGL (plus 20')  
 TOWER FRONT ROYAL, VA

ZERO CLEARANCE MINIMUM FLIGHT ALTITUDE: 2838 FT (based on TERRAIN)





OBSTACLE AREA REPORT DTG: 12/25/2012 11:13:47 AM  
 AREA UPPER LEFT CORNER: Lat: 39 23 15 Lon: -78 28 27  
 AREA LOWER RIGHT CORNER: Lat: 38 54 03 Lon: -77 48 51

CHART: Washington 92 North VALID: Jul 26, 2012 TO: Feb 7, 2013  
 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.  
 AREA UPPER LEFT CORNER: Lat: 39 23 15 Lon: -78 28 27  
 AREA LOWER RIGHT CORNER: Lat: 38 54 03 Lon: -77 48 51

HIGHEST	AMSL	AGL	LATITUDE	LONGITUDE	HV	ML	QTY	OBSTACLE	CITY	STATE
	835	100	38.90383	-77.96086	2C	NN	1	TOWER	BELTSVILLE	VA
	1512	260	38.90620	-78.12083	2C	ND	1	TOWER	FRONT ROYAL	VA
	818	157	38.90861	-78.17694	5E	NN	1	TOWER	FRONT ROYAL	VA
	961	92	38.91554	-78.12968		NR	1	T-L TWR	FRONT ROYAL	VA
	914	268	38.91745	-78.13097		SN	1	CATENARY	FRONT ROYAL	VA
	968	145	38.91925	-78.13240		NR	1	T-L TWR	FRONT ROYAL	VA
	945	120	38.92058	-78.13338		NR	1	T-L TWR	FRONT ROYAL	VA
	909	233	38.92160	-78.13381		SN	1	CATENARY	FRONT ROYAL	VA
	903	143	38.92207	-78.13416		NR	1	T-L TWR	FRONT ROYAL	VA
	759	199	38.92317	-78.19473	5E	NN	1	TOWER	FRONT ROYAL	VA
	898	362	38.92778	-78.20972	5E	NS	1	STACK	FRONT ROYAL	VA
	934	155	38.95088	-78.28390	5D	NN	1	POLE	FRONT ROYAL	VA
	2337	148	38.95583	-78.02472	4D	MN	5	TOWER	BLUE RIDGE	VA
	2347	140	38.95694	-78.02361	5D	NN	3	TOWER	BLUE RIDGE	VA
	2185	105	38.96056	-78.33111	9I	UU	1	TOWER	STRASBURG	VA
	1206	310	38.96604	-78.44196	1A	ND	1	TOWER	TOMS BROOK	VA
	861	240	38.97506	-78.21259	2C	ND	1	TOWER	FRONT ROYAL	VA
AGL>	1092	504	38.97556	-78.20111	2C	MR	1	TOWER	FRONT ROYAL	VA
	869	195	38.99445	-78.25833	2C	ND	1	TOWER	MIDDLETOWN	VA
	803	184	38.99842	-78.20501		ND	1	T-L TWR	FRONT ROYAL	VA
	768	220	38.99892	-78.20537		SN	1	CATENARY	FRONT ROYAL	VA
	762	189	39.00220	-78.20855		ND	1	T-L TWR	FRONT ROYAL	VA
	749	203	39.00246	-78.20868		SN	1	CATENARY	FRONT ROYAL	VA
	770	189	39.00519	-78.21136		ND	1	T-L TWR	FRONT ROYAL	VA
	740	206	39.00657	-78.21253		SN	1	CATENARY	FRONT ROYAL	VA
	755	140	39.00806	-78.32667	3C	UU	1	TOWER	STRASBURG	VA
	817	173	39.00854	-78.21451		ND	1	T-L TWR	FRONT ROYAL	VA
	1180	500	39.01028	-78.34278	3C	MR	1	TOWER	STRASBURG	VA
	907	230	39.01056	-78.32944	5D	ND	1	TOWER	STRASBURG	VA
	817	103	39.01788	-78.29111	5D	NN	1	TOWER	MIDDLETOWN	VA
	1354	202	39.01833	-78.42622		NN	1	TOWER	STRASBURG	VA
	868	177	39.02401	-78.22594		ND	1	T-L TWR	FRONT ROYAL	VA
	821	203	39.02679	-78.22762		SN	1	CATENARY	FRONT ROYAL	VA
	852	172	39.02758	-78.22823		ND	1	T-L TWR	FRONT ROYAL	VA
	1060	340	39.03111	-78.27778		MU	1	TOWER	MIDDLETOWN	VA
	891	190	39.03758	-78.23518	5D	NR	1	T-L TWR	FRONT ROYAL	VA
	856	215	39.03815	-78.23555		SN	1	CATENARY	FRONT ROYAL	VA
	867	192	39.04154	-78.23856		ND	1	T-L TWR	WINCHESTER	VA
	895	177	39.04744	-78.24361		ND	1	T-L TWR	WINCHESTER	VA
	880	210	39.04819	-78.24326		SN	1	CATENARY	WINCHESTER	VA
	899	175	39.05012	-78.24263		ND	1	T-L TWR	WINCHESTER	VA
	1788	78	39.06278	-77.88834	9I	UU	1	TOWER	HIGH POINT	VA
	960	195	39.06649	-78.22889	5D	NN	1	TOWER	STEPHENS CITY	VA
	999	269	39.06828	-78.18574	5D	ND	1	TOWER	STEPHENS CITY	VA
	828	110	39.11233	-77.83080	2C	NN	1	ELEVATOR	BLUEMONT	VA
	830	155	39.11306	-78.11500	1A	NN	1	TOWER	WINCHESTER	VA
	964	206	39.11483	-78.19370	2C	ND	1	TANK	STEPHENS CITY	VA
	1147	135	39.11520	-78.36128		ND	1	T-L TWR	WINCHESTER	VA
	1109	153	39.11543	-78.36329		ND	1	T-L TWR	WINCHESTER	VA
	1007	250	39.11563	-78.36500		SN	1	CATENARY	WINCHESTER	VA
	1054	206	39.11570	-78.35704		SN	1	CATENARY	WINCHESTER	VA

1132	163	39.11595	-78.35489	ND	1	T-L TWR	WINCHESTER VA
1041	138	39.11625	-78.37044	ND	1	T-L TWR	WINCHESTER VA
984	446	39.11763	-77.97197	1A MR	1	TOWER	ROUND HILL VA
1079	175	39.12222	-78.24917	5D UN	1	TOWER	STEPHENS CITY VA
781	66	39.12330	-78.15341	NN	1	BLDG	WINCHESTER VA
1140	235	39.12417	-78.21278	ND	1	TOWER	WINCHESTER VA
850	110	39.12500	-78.18305	UU	2	TOWER	KERNSTOWN VA
720	21	39.13730	-78.13882	2C UU	1	BLDG	WINCHESTER VA
715	12	39.13815	-78.13931	2C UU	1	POLE	WINCHESTER VA
718	15	39.13816	-78.13931	2C UU	1	POLE	WINCHESTER VA
731	27	39.13832	-78.14077	2C UU	1	ELEC SYS	WINCHESTER VA
730	25	39.13841	-78.14100	2C UU	1	POLE	WINCHESTER VA
731	27	39.13853	-78.14116	2C UU	1	POLE	WINCHESTER VA
726	26	39.13860	-78.13446	2C UU	1	BLDG	WINCHESTER VA
730	25	39.13866	-78.14133	2C UU	1	POLE	WINCHESTER VA
743	35	39.13883	-78.14190	2C UU	1	BLDG	WINCHESTER VA
732	26	39.13894	-78.14161	2C UU	1	POLE	WINCHESTER VA
731	25	39.13908	-78.14179	2C UU	1	POLE	WINCHESTER VA
732	23	39.13936	-78.14237	2C UU	1	BLDG	WINCHESTER VA
701	3	39.13968	-78.13991	2C UU	1	GEN UTIL	WINCHESTER VA
701	3	39.13972	-78.13985	2C UU	1	GEN UTIL	WINCHESTER VA
734	28	39.13983	-78.14227	2C UU	1	BLDG	WINCHESTER VA
735	27	39.14041	-78.14334	2C UU	1	BLDG	WINCHESTER VA
748	49	39.14043	-78.13902	2C UU	1	GEN UTIL	WINCHESTER VA
710	11	39.14046	-78.13905	2C UU	1	BLDG	WINCHESTER VA
733	34	39.14054	-78.13907	2C UU	1	TOWER	WINCHESTER VA
727	18	39.14091	-78.14348	2C UU	1	BLDG	WINCHESTER VA
729	19	39.14115	-78.14382	2C UU	1	BLDG	WINCHESTER VA
730	20	39.14140	-78.14417	2C UU	1	BLDG	WINCHESTER VA
728	19	39.14165	-78.14447	2C UU	1	BLDG	WINCHESTER VA
741	32	39.14168	-78.14545	2C UU	1	BLDG	WINCHESTER VA
744	34	39.14197	-78.14534	2C UU	1	BLDG	WINCHESTER VA
714	6	39.14244	-78.14527	2C UU	1	ELEC SYS	WINCHESTER VA
751	35	39.14245	-78.14655	2C UU	1	POLE	WINCHESTER VA
752	36	39.14246	-78.14655	2C UU	1	POLE	WINCHESTER VA
741	25	39.14250	-78.14120	2C UU	1	POLE	WINCHESTER VA
718	4	39.14257	-78.14565	2C UU	1	ELEC SYS	WINCHESTER VA
753	36	39.14266	-78.14682	2C UU	1	POLE	WINCHESTER VA
754	35	39.14310	-78.14713	2C UU	1	POLE	WINCHESTER VA
755	36	39.14334	-78.14745	2C UU	1	POLE	WINCHESTER VA
756	36	39.14358	-78.14778	2C UU	1	POLE	WINCHESTER VA
749	36	39.14380	-78.13771	NN	1	BLDG	WINCHESTER VA
755	35	39.14382	-78.14810	2C UU	1	POLE	WINCHESTER VA
742	22	39.14397	-78.14836	2C UU	1	FENCE	WINCHESTER VA
742	22	39.14399	-78.14836	2C UU	1	FENCE	WINCHESTER VA
733	6	39.14440	-78.14854	2C UU	1	POLE	WINCHESTER VA
735	7	39.14443	-78.14872	2C UU	1	FENCE	WINCHESTER VA
735	7	39.14450	-78.14874	2C UU	1	FENCE	WINCHESTER VA
734	6	39.14450	-78.14876	2C UU	1	FENCE	WINCHESTER VA
734	6	39.14452	-78.14877	2C UU	1	FENCE	WINCHESTER VA
769	34	39.14458	-78.14964	2C UU	1	BLDG	WINCHESTER VA
735	7	39.14458	-78.14877	2C UU	1	FENCE	WINCHESTER VA
762	34	39.14460	-78.14889	2C UU	1	POLE	WINCHESTER VA
734	7	39.14464	-78.14879	2C UU	1	FENCE	WINCHESTER VA
735	8	39.14466	-78.14881	2C UU	1	FENCE	WINCHESTER VA
761	30	39.14468	-78.14986	2C UU	1	POLE	WINCHESTER VA
763	34	39.14484	-78.14940	2C UU	1	CATENARY	WINCHESTER VA
757	29	39.14484	-78.14905	2C UU	1	POLE	WINCHESTER VA
736	8	39.14485	-78.14908	2C UU	1	FENCE	WINCHESTER VA
736	8	39.14492	-78.14905	2C UU	1	FENCE	WINCHESTER VA
736	8	39.14495	-78.14911	2C UU	1	FENCE	WINCHESTER VA
736	8	39.14499	-78.14926	2C UU	1	FENCE	WINCHESTER VA
763	35	39.14499	-78.14970	2C UU	1	POLE	WINCHESTER VA

736	8	39.14500	-78.14933	2C UU	1 FENCE	WINCHESTER VA
736	9	39.14500	-78.14921	2C UU	1 FENCE	WINCHESTER VA
736	8	39.14502	-78.14940	2C UU	1 FENCE	WINCHESTER VA
755	28	39.14503	-78.14957	2C UU	1 POLE	WINCHESTER VA
736	8	39.14505	-78.14947	2C UU	1 FENCE	WINCHESTER VA
743	18	39.14507	-78.14888	2C UU	1 POLE	WINCHESTER VA
735	9	39.14508	-78.14956	2C UU	1 FENCE	WINCHESTER VA
755	29	39.14511	-78.14972	2C UU	1 POLE	WINCHESTER VA
762	36	39.14511	-78.14963	2C UU	1 POLE	WINCHESTER VA
762	36	39.14513	-78.14999	2C UU	1 POLE	WINCHESTER VA
733	8	39.14520	-78.14957	2C UU	1 FENCE	WINCHESTER VA
731	11	39.14523	-78.14424	2C UU	1 BLDG	WINCHESTER VA
758	33	39.14523	-78.14896	2C UU	1 BLDG	WINCHESTER VA
740	16	39.14528	-78.14939	2C UU	1 BLDG	WINCHESTER VA
754	29	39.14529	-78.15005	2C UU	1 POLE	WINCHESTER VA
743	19	39.14529	-78.14969	2C UU	1 BLDG	WINCHESTER VA
760	34	39.14536	-78.15046	2C UU	1 POLE	WINCHESTER VA
729	7	39.14539	-78.14945	2C UU	1 FENCE	WINCHESTER VA
742	18	39.14540	-78.14983	2C UU	1 BLDG	WINCHESTER VA
756	30	39.14544	-78.15043	2C UU	1 POLE	WINCHESTER VA
729	8	39.14548	-78.14941	2C UU	1 FENCE	WINCHESTER VA
763	35	39.14553	-78.15083	2C UU	1 POLE	WINCHESTER VA
743	18	39.14554	-78.15014	2C UU	1 BLDG	WINCHESTER VA
730	12	39.14556	-78.14444	2C UU	1 BLDG	WINCHESTER VA
758	29	39.14563	-78.15081	2C UU	1 POLE	WINCHESTER VA
734	10	39.14568	-78.14971	2C UU	1 BLDG	WINCHESTER VA
762	32	39.14572	-78.15121	2C UU	1 POLE	WINCHESTER VA
757	26	39.14579	-78.15117	2C UU	1 POLE	WINCHESTER VA
788	78	39.14583	-78.15806	UU	1 TOWER	WINCHESTER VA
754	22	39.14587	-78.15102	2C UU	1 BLDG	WINCHESTER VA
733	7	39.14592	-78.14956	2C UU	1 FENCE	WINCHESTER VA
747	18	39.14592	-78.15076	2C UU	1 BLDG	WINCHESTER VA
743	16	39.14598	-78.15055	2C UU	1 BLDG	WINCHESTER VA
739	11	39.14600	-78.15073	2C UU	1 BLDG	WINCHESTER VA
739	13	39.14603	-78.15033	2C UU	1 BLDG	WINCHESTER VA
738	12	39.14610	-78.15077	2C UU	1 GEN UTIL	WINCHESTER VA
734	8	39.14611	-78.14982	2C UU	1 FENCE	WINCHESTER VA
732	7	39.14617	-78.14990	2C UU	1 FENCE	WINCHESTER VA
729	8	39.14669	-78.15101	2C UU	1 FENCE	WINCHESTER VA
728	7	39.14693	-78.15153	2C UU	1 FENCE	WINCHESTER VA
731	7	39.14708	-78.15182	2C UU	1 FENCE	WINCHESTER VA
733	7	39.14720	-78.14766	2C UU	1 ELEC SYS	WINCHESTER VA
731	6	39.14722	-78.15213	2C UU	1 FENCE	WINCHESTER VA
733	8	39.14727	-78.15223	2C UU	1 FENCE	WINCHESTER VA
724	2	39.14733	-78.14903	2C UU	1 GEN UTIL	WINCHESTER VA
724	3	39.14737	-78.14898	2C UU	1 GEN UTIL	WINCHESTER VA
736	7	39.14779	-78.15296	2C UU	1 FENCE	WINCHESTER VA
734	7	39.14801	-78.15284	2C UU	1 FENCE	WINCHESTER VA
733	7	39.14810	-78.15278	2C UU	1 FENCE	WINCHESTER VA
730	7	39.14824	-78.15271	2C UU	1 FENCE	WINCHESTER VA
728	7	39.14837	-78.15299	2C UU	1 FENCE	WINCHESTER VA
749	14	39.14855	-78.14870	2C UU	1 ELEC SYS	WINCHESTER VA
727	3	39.14857	-78.15185	2C UU	1 GEN UTIL	WINCHESTER VA
774	56	39.15059	-78.14933	NN	1 BLDG-TWR	WINCHESTER VA
803	63	39.15498	-78.16017	2C UU	1 BLDG	WINCHESTER VA
795	56	39.15553	-78.16047	2C UU	1 POLE	WINCHESTER VA
860	100	39.15556	-78.18767	2C NN	1 POLE	WINCHESTER VA
912	270	39.15781	-78.10728	3C ND	1 TOWER	WINCHESTER VA
907	260	39.15805	-78.00305	1A ND	1 TOWER	BERRYVILLE VA
805	105	39.16167	-78.17333	9I UU	1 TOWER	WINCHESTER VA
894	105	39.16611	-78.17278	UU	1 TOWER	WINCHESTER VA
AMGL> 2648	90	39.18250	-78.38972	5E NN	1 TOWER	WINCHESTER VA
864	154	39.18806	-78.15166	4D NN	1 TOWER	WINCHESTER VA

1289	350	39.19410	-78.27921	1A	ND	1	TOWER	WINCHESTER VA
997	171	39.19443	-78.19324	2C	UU	1	BLDG-TWR	WINCHESTER VA
1180	300	39.19667	-78.21944	3C	MR	2	TOWER	WINCHESTER VA
1050	201	39.19889	-78.16695	4D	MR	2	TOWER	WINCHESTER VA
1061	190	39.19927	-78.16921	1A	NN	1	TOWER	WINCHESTER VA
1180	300	39.20028	-78.22000	3C	MR	2	TOWER	WINCHESTER VA
1035	195	39.21527	-78.26637	5D	NN	1	TOWER	WINCHESTER VA
1085	277	39.27500	-78.11528	2C	ND	1	TOWER	CLEAR BROOK VA
1346	266	39.31950	-78.29381	5E	ND	1	TOWER	CROSS JUNCTION VA
1736	380	39.13816	-77.83305	5D	ND	1	TOWER	BLUEMONT WV
890	360	39.27306	-77.86528	4D	MR	1	TOWER	CHARLES TOWN WV
648	178	39.29389	-77.83305		NN	1	TANK	CHARLES TOWN WV
855	199	39.33194	-78.07000		MD	1	TOWER	BUNKER HILL WV
917	312	39.34280	-77.89388	1A	ND	1	TOWER	KEARNEYSVILLE WV
758	200	39.35167	-77.87222		MU	1	TOWER	CHARLES TOWN WV
796	217	39.37695	-78.03389	1A	ND	1	TOWER	INWOOD WV
1939	229	39.38167	-78.38805	4D	MR	1	TOWER	LARGENT WV
704	170	39.38833	-77.99055	1A	MR	1	TANK	MARTINSBURG WV

-----  
OBSTACLE COUNT: 195  
-----

QTY \* INDICATES OBSTRUCTION FROM FAA CHART BULLETIN OF DATE  
-----

HIGHEST TERRAIN IN AREA: 2838 FT at LAT: 39.14500 LON: -78.43500

HIGHEST AMSL OBSTACLE IN AREA: 2648 FT plus 125 FT

ZERO CLEARANCE MINIMUM FLIGHT ALTITUDE: 2838 FT (TERRAIN)  
-----

MANUALLY OBSERVED AND RECORDED MAXIMUM ELEVATION FIGURE (MEF) FOR AREA: \_\_\_\_\_

**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.

ED/IT makes no claims as to the validity of the FAA provided data nor any errors in the downloading, processing, or display of this data nor the suitability of this software to comply with any FAA requirement or regulation.