SHA BLOC DESKTOP TOOL MAP - KENT COUNTY

ROAD NAMES OF BLOC GRADE > D

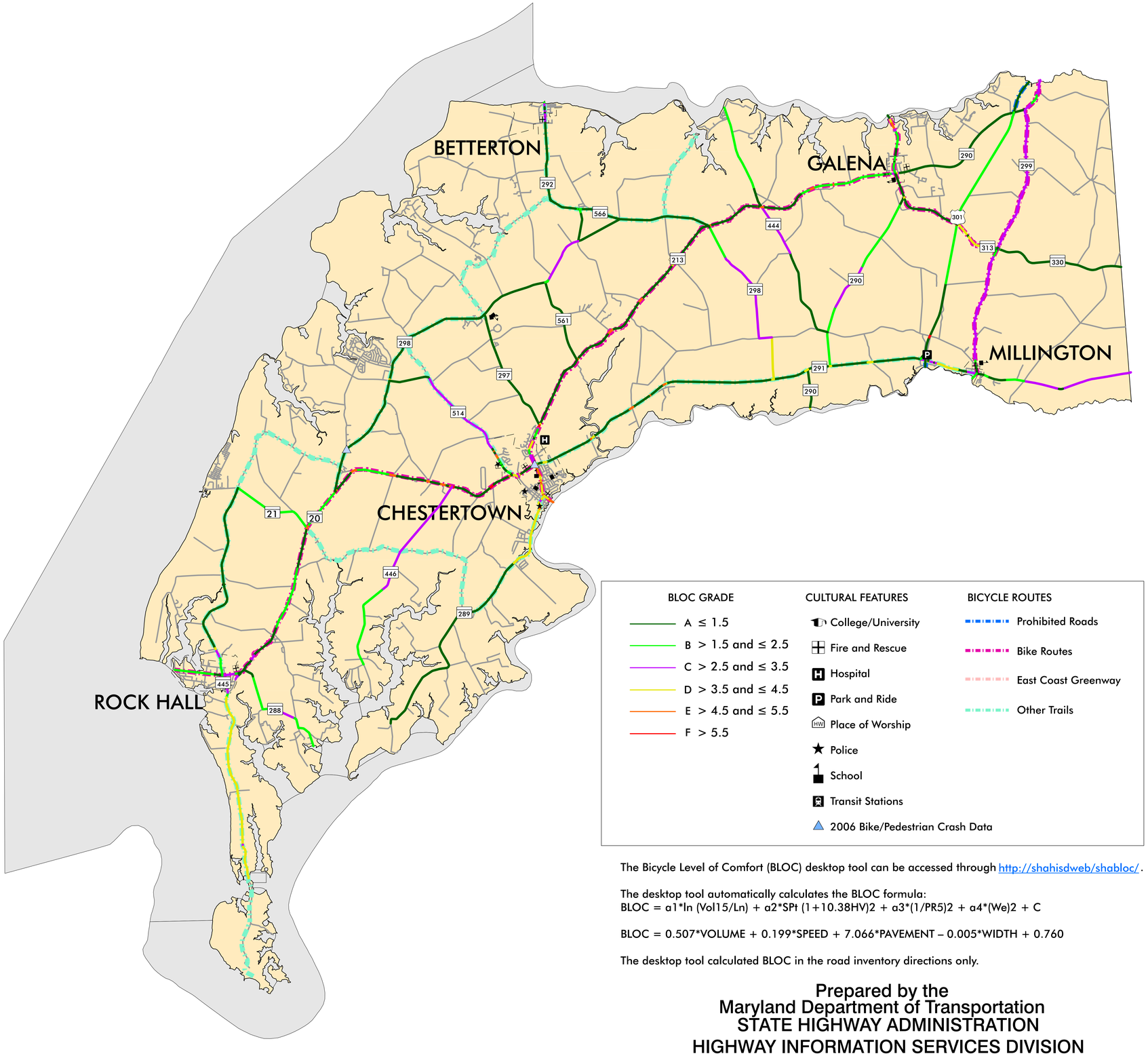
County	Prefix	Rte Num	Rte Name	BMP	EMP	Shld Wid	AADT	IRI	HV	Score	Grade
14	MD	20	ROCK HALL RD	6.54	6.6	0	5000	4	5	4.9	E
14	MD	20	ROCK HALL RD	6.6	6.66	0	5460	4	7	5.4	E
14	MD	20	ROCK HALL RD	7.86	7.93	0	5460	4	7	5.4	E
14	MD	20	ROCK HALL RD	7.93	7.975	0	4800	4	5	4.9	E
14	MD	20	ROCK HALL RD	8.615	8.7	0	4800	4	5	4.9	E
14	MD	20	CHESTERTOWN RD	8.7	8.73	0	4800	4	5	4.9	E
14	MD	20	CHESTERTOWN RD	8.73	8.77	0	4800	4	5	4.7	E
14	MD	20	CHESTERTOWN RD	9.772	9.925	0	4800	4	5	4.9	E
14	MD	20	CHESTERTOWN RD	10.86	10.983	0	4800	4	5	4.9	E
14	MD	20	CHESTERTOWN RD	11.28	11.385	0	4800	4	5	4.9	E
14	MD	20	CHESTERTOWN RD	11.535	11.6	0	4800	4	5	4.9	E
14	MD	20	CHESTERTOWN RD	11.6	11.645	0	8160	4	7	5.6	F
14	MD	20	CHESTERTOWN RD	12.84	12.975	0	8160	4	7	5.6	F
14	MD	20	CHESTERTOWN RD	13.48	13.55	0	8160	4	6	4.6	E
14	MD	213	MAPLE AVE	0	0.14	0	14731	2	4	5.4	E
14	MD	213	MAPLE AVE	0.14	0.19	0	14731	3	4	4.7	E
14	MD	213	MAPLE AVE	0.37	0.43	0	20942	3	5	4.7	E
14	MD	213	WASHINGTON AVE	0.43	0.44	0	20942	3	5	4.7	E
14	MD	213	WASHINGTON AVE	0.44	0.47	0	20942	3	5	4.8	E
14	MD	213	WASHINGTON AVE	0.69	0.715	0	20942	3	5	4.9	E
14	MD	213	WASHINGTON AVE	0.715	0.774	0	20942	3	5	4.8	E
14	MD	213	WASHINGTON AVE	0.8	0.825	0	20942	3	5	4.8	E
14	MD	213	WASHINGTON AVE	0.95	0.99	0	20942	3	5	4.9	E
14	MD	213	WASHINGTON AVE	0.99	1.06	0	20942	3	5	4.6	E
14	MD	213	WASHINGTON AVE	1.06	1.23	0	20942	3	5	5	E
14	MD	213	WASHINGTON AVE	1.23	1.25	0	20942	3	5	5	E
14	MD	213	WASHINGTON AVE	1.27	1.3	0	20942	3	5	5.2	E
14	MD	213	AUGUSTINE HERMAN HWY	2.45	2.465	4	17972	4	8	5.2	E
14	MD	213	AUGUSTINE HERMAN HWY	2.465	2.49	0	17972	4	8	6.5	F
14	MD	213	AUGUSTINE HERMAN HWY	2.49	2.55	0	17972	4	8	6.1	F
14	MD	213	AUGUSTINE HERMAN HWY	4.71	4.76	0	6782	4	7	5.5	E
14	MD	213	AUGUSTINE HERMAN HWY	4.76	4.8	0	4312	4	5	4.8	E
14	MD	213	AUGUSTINE HERMAN HWY	5.945	6.13	0	4312	4	5	4.8	E
14	MD	213	AUGUSTINE HERMAN HWY	7.27	7.37	0	4312	4	5	4.8	E
14	MD	213	AUGUSTINE HERMAN HWY	7.37	7.43	0	4212	4	5	4.8	E
14	MD	213	AUGUSTINE HERMAN HWY	10.31	10.36	0	5892	5	7	5.3	E
14	MD	213	AUGUSTINE HERMAN HWY	11.89	11.99	0	5892	5	7	5.3	E
14	MD	213	AUGUSTINE HERMAN HWY	11.99	12.037	0	5402	4	7	5.4	E
14	MD	213	AUGUSTINE HERMAN HWY	13.63	13.72	0	5692	4	7	5.4	E
14	MD	213	AUGUSTINE HERMAN HWY	14.24	14.35	0	5692	4	7	5.4	E
14	MD	213	AUGUSTINE HERMAN HWY	17.47	17.61	0	5518	3	6	4.7	E
14	MD	289	QUAKER NECK RD	8.31	8.4	10	3170	3	3	4.8	E
14	MD	291	MORGNEC RD	0.068	0.105	0	15821	4	4	4.6	E
14	MD	291	MORGNEC RD	0.105	0.142	0	15821	4	4	4.8	E
14	MD	291	MORGNEC RD	0.565	0.58	0	15821	4	4	5.1	E
14	MD	291	MORGNEC RD	2.306	2.365	0	6511	4	7	5.4	E
14	MD	291	MORGNEC RD	3.79	3.91	0	6511	4	7	5.4	E
14	MD	291	MORGNEC RD	4.32	4.36	0	6511	4	7	5.4	E
14	MD	291	MORGNEC RD	4.46	4.55	0	6511	4	7	5.4	E
14	MD	291	MORGNEC RD	4.985	5.04	0	6511	4	7	5.4	E
14	MD	514	FLATLAND RD	0.663	0.74	0	4031	4	5	4.7	E
14	MD	514	FLATLAND RD	0.83	0.93	0	4031	4	5	4.7	E
14	US	301	BLUE STAR MEMORIAL HWY	0.845	0.89	0	11210	4	10	6.9	F
14	US	301	BLUE STAR MEMORIAL HWY	0.89	0.95	0	11500	4	10	6.9	F
14	US	301	BLUE STAR MEMORIAL HWY	4.103	4.18	0	11500	4	10	6.9	F
14	US	301	BLUE STAR MEMORIAL HWY	4.18	4.225	0	10280	5	10	6.7	F

SHA's Business Plan Goal is to increase walking and biking by 2% annually. This can be accomplished in part by having 80% of our state roadways with a BLOC score of "D" or better.

Bicycle Level of Comfort (BLOC) refers to a measure of comfort that an adult cyclist experiences when riding a bicycle on a roadway, shoulder, or bicycle lane. Measuring BLOC allows us to determine the impact that our projects are having on bicycling in Maryland. Therefore all roadway projects will be evaluated for their "before" and "after" BLOC.

The BLOC needs only to be measured for State highways. If your project includes more than one State highway, each should be selected and evaluated. Some state routes are broken into multiple segments. The before and after BLOC will be noted in the Final Review Report for all projects. If the resulting "after" BLOC is less than the "before" BLOC, the project would be reviewed with SHA's Bicycle and Pedestrian Coordinator bikes@sha.state.md.us or 410-545-5656 and a waiver may be required. The goal is to improve the Statewide BLOC scores for each county, district and/or roadway sections by taking reasonable measures.

The BLOC application is a tool that you may use to assist you in seeing the current BLOC score for segments of a road. It will also allow you to change such parameters as Shoulder Width, Through Lanes, Lane Width, IRI, HV and AADT to see what the impact would be on the BLOC score for that segment.



The Bicycle Level of Comfort (BLOC) desktop tool can be accessed through http://shahisdweb/shabloc/ .

The desktop tool automatically calculates the BLOC formula:
BLOC = a1*ln (Vol15/Ln) + a2*SPt (1+10.38HV)2 + a3*(1/PR5)2 + a4*(We)2 + C

BLOC = 0.507*VOLUME + 0.199*SPEED + 7.066*PAVEMENT – 0.005*WIDTH + 0.760

The desktop tool calculated BLOC in the road inventory directions only.

Prepared by the
Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION
HIGHWAY INFORMATION SERVICES DIVISION

0 3 6 12 Miles

June 25, 2008