SHA BLOC DESKTOP TOOL MAP - CALVERT COUNTY

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.

Prepared by the
Maryland Department of Transportation

STATE HIGHWAY ADMINISTRATION
HIGHWAY INFORMATION SERVICES DIVISION

0 2 4 8 Miles

ROAD NAMES OF BLOC GRADE > D

County	Prefix	Rte Num	Rte Name	BMP	EMP	Shld Wid	AADT	IRI	HV	Score	Grade
4	MD	2	SOLOMONS ISLAND RD	0.247	0.26	0	25067	5	5	5.2	E
4	MD	2	SOLOMONS ISLAND RD	0.26	0.31	0	25067	5	5	5.2	E
4	MD	2	SOLOMONS ISLAND RD	0.66	1.11	2	25067	5	5	4.7	E
4	MD	2	SOLOMONS ISLAND RD	2.83	2.934	0	25800	5	12	8	F
4	MD	2	SOLOMONS ISLAND RD	3.143	3.25	0	25800	5	12	8	F
4	MD	2	SOLOMONS ISLAND RD	3.25	3.26	0	25800	4	12	8.2	F
4	MD	2	SOLOMONS ISLAND RD	4.246	4.36	0	21870	5	12	7.9	F
4	MD	2	SOLOMONS ISLAND RD	4.69	4.804	0	23440	5	12	8	F
4	MD	2	SOLOMONS ISLAND RD	5.989	6.104	0	23440	5	12	8	F
4	MD	2	SOLOMONS ISLAND RD	6.869	6.98	0	25720	5	12	8	F
4	MD	2	SOLOMONS ISLAND RD	7.298	7.413	0	25720	5	12	8	F
4	MD	2	SOLOMONS ISLAND RD	7.869	7.988	0	25720	5	12	8	F
4	MD	2	SOLOMONS ISLAND RD	9.521	9.628	0	25720	5	12	8	F
4	MD	2	SOLOMONS ISLAND RD	11.601	11.707	0	24030	4	12	8.1	F
4	MD	2	SOLOMONS ISLAND RD	11.747	11.82	0	24030	4	12	8.1	F
4	MD	2	SOLOMONS ISLAND RD	13.057	13.176	0	24030	4	12	8.1	F
4	MD	2	SOLOMONS ISLAND RD	13.647	13.774	0	24030	4	12	8.1	F
4	MD	2	SOLOMONS ISLAND RD	14.099	14.193	0	27560	4	12	8.2	F
4	MD	2	SOLOMONS ISLAND RD	14.499	14.567	0	27560	4	12	8.2	F
4	MD	2	SOLOMONS ISLAND RD	14.615	14.676	0	33700	4	12	8.3	F
4	MD	2	SOLOMONS ISLAND RD	14.676	14.779	0	33700	5	12	8.1	F
4	MD	2	SOLOMONS ISLAND RD	15.113	15.155	0	33700	5	12	8.1	F
4	MD	2	SOLOMONS ISLAND RD	15.795	15.858	0	33700	5	12	8.1	F
4	MD	2	SOLOMONS ISLAND RD	16.877	16.948	0	35760	5	12	8.2	F
4	MD	2	SOLOMONS ISLAND RD	18.076	18.216	0	32410	5	10	7	F
4	MD	2	SOLOMONS ISLAND RD	18.308	18.508	0	32410	5	10	7	F
4	MD	2	SOLOMONS ISLAND RD	18.532	18.561	0	40130	5	12	7.9	F
4	MD	2	SOLOMONS ISLAND RD	18.825	18.858	0	40130	3	12	8.4	F
4	MD	2	SOLOMONS ISLAND RD	18.892	19.065	0	40130	3	12	8.4	F
4	MD	2	SOLOMONS ISLAND RD	19.116	19.208	0	40130	3	12	8.4	F
4	MD	2	SOLOMONS ISLAND RD	19.208	19.266	0	48160	3	12	8.4	F
4	MD	2	SOLOMONS ISLAND RD	19.37	19.586	0	48160	5	12	7.9	F
4	MD	2	SOLOMONS ISLAND RD	19.586	19.898	0	48160	4	12	8.1	F
4	MD	2	SOLOMONS ISLAND RD	19.898	20.04	0	48160	4	12	8.1	F
4	MD	2	SOLOMONS ISLAND RD	20.04	20.131	0	48160	4	12	8.1	F
4	MD	2	SOLOMONS ISLAND RD	20.131	20.242	0	48160	4	12	8.1	F
4	MD	2	SOLOMONS ISLAND RD	20.242	20.397	10	48160	4	15	5.5	E
4	MD	2	SOLOMONS ISLAND RD	20.397	20.557	10	48160	5	15	5.4	E
4	MD	2	SOLOMONS ISLAND RD	20.557	20.797	10	48160	5	15	5.4	E
4	MD	2	SOLOMONS ISLAND RD	20.797	21.534	10	48160	5	15	5.4	E
4	MD	2	SOLOMONS ISLAND RD	21.534	21.601	0	48160	5	15	9.8	F
4	MD	2	SOLOMONS ISLAND RD	21.601	21.677	0	48160	5	15	9.8	F
4	MD	2	SOLOMONS ISLAND RD	21.677	21.89	10	48160	4	15	5.5	E
4	MD	2	SOLOMONS ISLAND RD	21.89	21.915	10	48160	4	15	5.5	E
4	MD	2	SOLOMONS ISLAND RD	21.915	21.979	0	48160	4	15	9.9	F
4	MD	2	SOLOMONS ISLAND RD	22.353	22.432	0	37570	4	12	8.4	F
4	MD	2	SOLOMONS ISLAND RD	23.51	23.555	0	37570	4	12	8.4	F
4	MD	2	SOLOMONS ISLAND RD	24.14	24.206	0	37570	4	12	8.4	F
4	MD	2	SOLOMONS ISLAND RD	24.206	24.242	10	40310	4	15	5.4	E
4	MD	2	SOLOMONS ISLAND RD	24.242	24.458	10	40310	4	15	5.4	E
4	MD	2	SOLOMONS ISLAND RD	24.458	24.779	0	40310	4	15	9.8	F
4	MD	2	SOLOMONS ISLAND RD	24.779	24.89	0	40310	4	15	9.8	F
4	MD	2	SOLOMONS ISLAND RD	24.89	25.07	10	40310	4	15	5.4	E
4	MD	2	SOLOMONS ISLAND RD	25.07	25.122	0	40310	4	15	9.8	F
4	MD	2	SOLOMONS ISLAND RD	25.122	25.297	10	40310	4	15	5.4	E
4	MD	2	SOLOMONS ISLAND RD	25.297	25.401	10	40310	4	15	5.4	E
4	MD	2	SOLOMONS ISLAND RD	25.401	25.48	0	40310	4	15	9.8	F
4	MD	2	SOLOMONS ISLAND RD	25.48	25.689	10	40310	3	15	5.8	F
4	MD	2	SOLOMONS ISLAND RD	25.689	25.83	10	40310	3	15	5.8	F
4	MD	2	SOLOMONS ISLAND RD	25.83	25.85	0	40310	3	15	10.2	F
4	MD	2	SOLOMONS ISLAND RD	25.85	25.88	10	40310	3	15	5.8	F
4	MD	2	SOLOMONS ISLAND RD	25.88	25.932	0	40310	3	15	10.2	F
4	MD	2	SOLOMONS ISLAND RD	25.932	25.966	10	40310	3	15	5.8	F
4	MD	2	SOLOMONS ISLAND RD	25.966	26.02	0	40310	3	15	10.2	F
4	MD	2	SOLOMONS ISLAND RD	27.14	27.57	0	40310	4	15	9.8	F
4	MD	2	SOLOMONS ISLAND RD	27.57	27.63	0	15610	4	10	7	F
4	MD	2	SOLOMONS ISLAND RD	27.63	27.673	0	15610	4	10	7.1	F
4	MD	2	SOLOMONS ISLAND RD	27.673	29.95	0	15610	4	10	6.9	F
4	MD	2	SOLOMONS ISLAND RD	29.95	30.53	0	15610	4	4	4.9	E
4	MD	2	SOLOMONS ISLAND RD	30.53	31.95	0	12570	4	4	4.8	E
4	MD	2	SOLOMONS ISLAND RD	31.95	32.01	0	12570	3	4	4.8	E
4	MD	2	SOLOMONS ISLAND RD	32.01	32.05	0	12570	2	4	5.8	F
4	MD	4	SOLOMONS ISLAND RD	0	0.49	2	25067	3	5	5.2	E
4	MD	4	SOUTHERN MD BLVD	28.139	28.314	0	30961	4	12	8.3	F
4	MD	4	SOUTHERN MD BLVD	28.45	29.116	4	30961	4	12	7	F
4	MD	4	SOUTHERN MD BLVD	29.441	29.592	0	30961	4	12	8.3	F
4	MD	4	SOUTHERN MD BLVD	29.592	29.941	2	30961	4	12	7.7	F
4	MD	4	SOUTHERN MD BLVD	29.941	30.013	0	30961	4	12	8.3	F
4	MD	4	SOUTHERN MD BLVD	32.719	32.741	0	34921	4	5	5.5	E
4	MD	4	SOUTHERN MD BLVD	32.741	32.774	0	34921	4	5	5.5	E
4	MD	4	SOUTHERN MD BLVD	32.844	32.901	0	34921	4	5	5.5	E
4	MD	4	SOUTHERN MD BLVD	33.059	33.107	0	34921	4	5	5.5	E
4	MD	4	SOUTHERN MD BLVD	33.146	33.182	0	34921	4	5	5.5	E
4	MD	4	SOUTHERN MD BLVD	33.231	33.258	0	34921	4	5	5.5	E
4	MD	4	SOUTHERN MD BLVD	33.305	33.318	0	34921	4	5	5.5	E
4	MD	4	SOUTHERN MD BLVD	33.401	33.64	0	34921	4	5	5.5	E
4	MD	4	SOUTHERN MD BLVD	34.644	34.701	0	34921	4	12	8.3	F
4	MD	4	SOUTHERN MD BLVD	34.87	34.897	0	34921	4	12	8.3	F
4	MD	4	SOUTHERN MD BLVD	35.252	35.343	0	34921	4	12	8.3	F
4	MD	4	SOUTHERN MD BLVD	36.297	36.31	10	46111	4	15	5.5	E
4	MD	4	SOUTHERN MD BLVD	36.31	36.43	10	46111	3	15	5.8	F
4	MD	231	HALLOWING POINT RD	0	0.32	0	10961	3	10	7.1	F
4	MD	231	HALLOWING POINT RD	0.358	0.41	0	10961	4	10	6.9	F
4	MD	231	HALLOWING POINT RD	0.653	0.7	0	10961	4	10	6.9	F
4	MD	231	HALLOWING POINT RD	1.479	1.53	0	10961	4	10	6.9	F
4	MD	231	HALLOWING POINT RD	2.223	2.286	0	10961	4	10	6.9	F
4	MD	231	HALLOWING POINT RD	2.657	2.7	0	10961	4	10	6.9	F
4	MD	231	HALLOWING POINT RD	2.8	2.85	0	16711	4	10	7.1	F
4	MD	231	HALLOWING POINT RD	3.328	3.5	0	16711	4	10	7.1	F
4	MD	231	HALLOWING POINT RD	3.652	3.858	2	16711	4	10	6.6	F
4	MD	231	HALLOWING POINT RD	4.8	4.929	0	16711	4	10	7.1	F
4	MD	231	HALLOWING POINT RD	4.955	5.045	0	16711	4	10	7.1	F
4	MD	231	HALLOWING POINT RD	5.42	5.49	0	16711	4	8	5.4	E
4	MD	231	CHURCH ST	5.56	5.6	0	16711	2	8	7.1	F
4	MD	231	CHURCH ST	5.6	5.66	0	16711	3	8	4.8	E
4	MD	231	CHURCH ST	5.66	5.71	0	16711	2	8	5.8	F
4	MD	231	CHURCH ST	5.71	5.75	0	16711	2	8	6.7	F
4	MD	231	CHURCH ST	5.75	5.87	0	16711	2	8	6.8	F
4	MD	260	CHESAPEAKE BEACH RD	0.37	0.41	0	14331	4	10	6.9	F
4	MD	260	CHESAPEAKE BEACH RD	1.886	1.937	0	14331	5	4	4.7	E
4	MD	260	CHESAPEAKE BEACH RD	4.136	4.204	0	14331	4	4	4.7	E
4	MD	260	CHESAPEAKE BEACH RD	5.096	5.147	0	14331	4	4	4.9	E
4	MD	260	CHESAPEAKE BEACH RD	5.545	5.566	0	14331	4	4	5.2	E
4	MD	260	CHESAPEAKE BEACH RD	5.942	6.045	0	14431	4	4	4.9	E
4	MD	260	CHESAPEAKE BEACH RD	6.155	6.2	0	14431	4	4	4.9	E
4	MD	260	CHESAPEAKE BEACH RD	6.678	6.722	0	14431	4	4	5	E
4	MD	260	CHESAPEAKE BEACH RD	8.085	8.511	0	14431	3	4	4.6	E
4	MD	260	MT HARMONY RD	0.21	0.229	0	7980	3	3	4.8	E
4	MD	261	WILLOWS RD	0.37	0.86	0	7282	4	6	4.9	E
4	MD	261	WILLOWS RD	1.46	1.999	1	13612	4	8	5.6	F
4	MD	261	WILLOWS RD	1.999	2.04	0	13612	4	8	5.8	F
4	MD	261	WILLOWS RD	2.061	3.21	1	13612	4	8	5.6	F
4	MD	261	WILLOWS RD	3.21	3.44	0	13612	4	4	4.7	E
4	MD	261	BAYSIDE RD	4.884	4.97	0	13612	4	4	4.7	E
4	MD	262	LOWER MARLBORO RD	0	0.31	0	4031	3	4	4.6	E
4	MD	262	LOWER MARLBORO RD	0.31	1.74	0	4031	3	4	4.8	E
4	MD	263	PLUM POINT RD	0	0.05	0	8562	4	7	5.5	E
4	MD	263	PLUM POINT RD	0.371	0.406	0	8562	4	7	5.5	E
4	MD	263	PLUM POINT RD	0.712	0.785	0	8562	4	7	5.5	E
4	MD	263	PLUM POINT RD	0.933	1.036	0	8562	4	7	5.5	E
4	MD	263	PLUM POINT RD	1.18	1.24	0	8562	4	7	5.5	E
4	MD	263	PLUM POINT RD	1.465	1.541	0	8562	4	7	5.5	E
4	MD	263	PLUM POINT RD	1.61	1.66	0	8562	4	7	5.5	E
4	MD	263	PLUM POINT RD	2.013	2.06	0	6882	4	7	5.4	E
4	MD	263	PLUM POINT RD	2.293	2.36	0	6882	4	7	5.4	E
4	MD	263	PLUM POINT RD	3.575	3.63	0	6882	4	7	5.4	E
4	MD	264	BROOMES ISLAND RD	2.918	3.01	0	5121	4	6	5	E
4	MD	264	BROOMES ISLAND RD	3.783	3.821	0	5121	4	6	5	E
4	MD	264	BROOMES ISLAND RD	4.366	4.42	0	5121	4	6	5	E
4	MD	264	BROOMES ISLAND RD	4.605	4.66	0	6811	4	6	5.1	E
4	MD	264	BROOMES ISLAND RD	5.735	5.78	0	6811	4	6	5.1	E
4	MD	264	BROOMES ISLAND RD	5.823	5.93	0	6811	4	6	5.1	E
4	MD	264	BROOMES ISLAND RD	6.592	6.66	0	6811	4	6	5	E
4	MD	402	DARES BEACH RD	0.211	0.26	0	8862	3	6	5.3	E
4	MD	402	DARES BEACH RD	0.26	0.28	0	8172	4	6	5	E
4	MD	402	DARES BEACH RD	1.209	1.25	0	8172	4	6	5	E
4	MD	402	DARES BEACH RD	1.57	1.63	0	8172	4	7	5.5	E
4	MD	402	DARES BEACH RD	1.948	1.99	0	8172	4	7	5.5	E
4	MD	402	DARES BEACH RD	2.343	2.405	0	8172	4	7	5.5	E
4	MD	402	DARES BEACH RD	2.801	2.859	0	8172	4	7	5.5	E
4	MD	402	DARES BEACH RD	3.11	3.132	0	8172	4	7	5.5	E
4	MD	402	DARES BEACH RD	3.785	3.847	0	8172	4	7	5.5	E
4	MD	497	COVE POINT RD	0.3	0.634	0	6882	3	3	4.8	E
4	MD	497	COVE POINT RD	0.634	0.702	0	6882	3	3	5.1	E
4	MD	497	COVE POINT RD	0.702	0.74	0	6882	3	3	4.8	E
4	MD	497	COVE POINT RD	0.74	0.841	0	6882	3	3	5.1	E
4	MD	497	COVE POINT RD	0.841	1.54	0	6882	3	3	4.7	E
4	MD	497	COVE POINT RD	1.54	1.576	0	6882	3	3	4.6	E
4	MD	497	COVE POINT RD	1.576	1.72	0	6882	3	3	4.7	E
4	MD	497	COVE POINT RD	1.78	2.19	0	6882	3	3	4.7	E
4	MD	497	COVE POINT RD	2.38	2.561	0	6882	3	3	4.6	E
4	MD	497	COVE POINT RD	2.561	2.61	0	6882	3	3	4.7	E
4	MD	760	ROUSBY HALL RD	0	0.06	0	11932	4	4	4.8	E
4	MD	760	ROUSBY HALL RD	3.12	3.151	0	11932	3	4	5	E
4	MD	760	ROUSBY HALL RD	3.151	3.18	0	11932	3	4	5.5	E
4	MD	760	ROUSBY HALL RD	3.18	3.243	0	11932	3	4	5	E
4	MD	760	ROUSBY HALL RD	3.32	4.38	0	11932	3	4	5	E
4	MD	760	ROUSBY HALL RD	4.556	4.65	0	11932	3	4	5	E
4	MD	765	H G TRUEMAN RD	1.055	1.11	0	9081	4	4	4.7	E
4	MD	765	H G TRUEMAN RD	3.13	3.164	0	4131	4	4	4.7	E
4	MD	765	H G TRUEMAN RD	3.23	3.56	0	4131	4	5	4.7	E
4	MD	765	H G TRUEMAN RD	4.91	4.989	0	4131	4	5	4.7	E
4	MD	765	SOLOMONS ISLAND RD S	0.96	1.011	0	7201	2	3	5.2	E
4	MD	765	SOLOMONS ISLAND RD S	1.011	1.15	0	7201	2	3	5.2	E

BLOC GRADE

- A ≤ 1.5
- B > 1.5 and ≤ 2.5
- C > 2.5 and ≤ 3.5
- D > 3.5 and ≤ 4.5
- E > 4.5 and ≤ 5.5
- F > 5.5

CULTURAL FEATURES

- College/University
- Fire and Rescue
- Hospital
- Park and Ride
- Place of Worship
- Police
- School
- Transit Stations
- 2006 Bike/Pedestrian Crash Data

BICYCLE ROUTES

- Prohibited Roads
- Bike Routes
- East Coast Greenway
- Other Trails

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 calculates BLOC in the road inventory directions only.

June 25, 2008