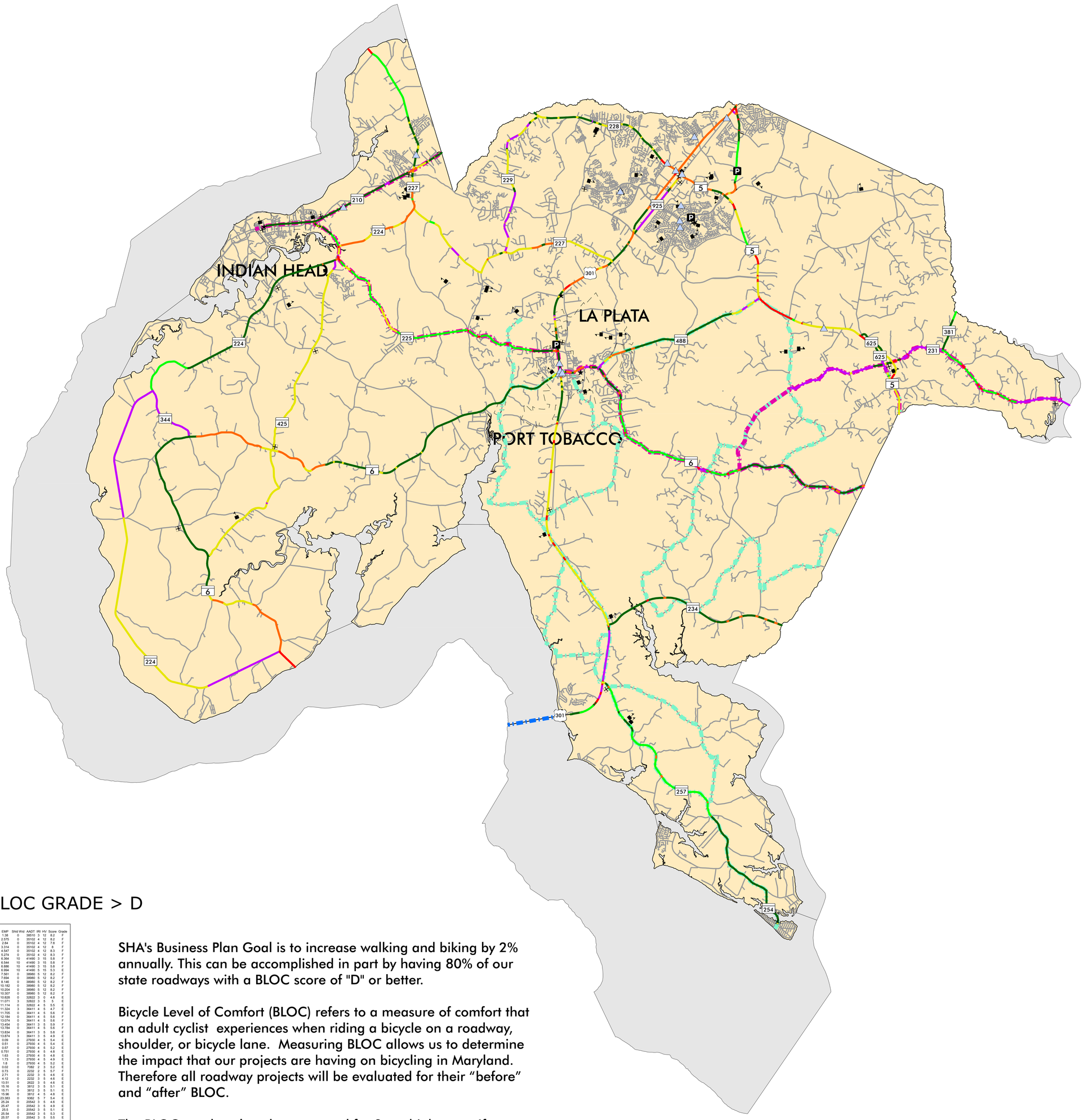
SHA BLOC DESKTOP TOOL MAP - CHARLES COUNTY



ROAD NAMES OF BLOC GRADE > D

County	Prefix	Rte Num	Rte Name	BMP	EMP	Shld Wid	AADT	IRI	HV	Score	Grade
8	MD	5	LEONARDTOWN RD	1.128	1.38	0	38510	3	12	8.2	F
8	MD	5	LEONARDTOWN RD	2.536	2.575	0	35102	4	12	8.2	F
8	MD	5	LEONARDTOWN RD	2.575	2.84	0	35102	4	12	7.8	F
8	MD	5	LEONARDTOWN RD	2.84	3.314	0	35102	4	12	8	F
8	MD	5	LEONARDTOWN RD	4.487	4.547	0	35102	4	12	8.3	F
8	MD	5	LEONARDTOWN RD	5.226	5.274	0	35102	4	12	8.3	F
8	MD	5	LEONARDTOWN RD	5.614	6.364	10	41490	3	15	5.8	E
8	MD	5	LEONARDTOWN RD	6.364	6.544	10	41490	3	15	5.8	E
8	MD	5	LEONARDTOWN RD	6.544	6.886	10	41490	3	15	5.8	E
8	MD	5	LEONARDTOWN RD	6.886	6.994	10	41490	5	15	5.3	E
8	MD	5	LEONARDTOWN RD	7.469	7.561	0	38980	5	12	8.2	F
8	MD	5	LEONARDTOWN RD	7.644	7.694	0	38980	5	12	8.2	F
8	MD	5	LEONARDTOWN RD	8.046	8.146	0	38980	5	12	8.2	F
8	MD	5	LEONARDTOWN RD	10.077	10.182	0	38980	5	12	8.2	F
8	MD	5	LEONARDTOWN RD	10.182	10.204	0	38980	5	12	8.2	F
8	MD	5	LEONARDTOWN RD	10.204	10.307	0	38980	5	12	8.2	F
8	MD	5	MATTAWOMAN BEANTOWN RD	10.664	10.828	0	32822	3	0	4.8	E
8	MD	5	MATTAWOMAN BEANTOWN RD	10.854	11.071	3	32822	3	5	5	E
8	MD	5	MATTAWOMAN BEANTOWN RD	11.071	11.114	0	32822	4	5	5.5	E
8	MD	5	MATTAWOMAN BEANTOWN RD	11.114	11.324	3	36411	4	5	4.7	E
8	MD	5	MATTAWOMAN BEANTOWN RD	11.634	11.705	0	36411	4	5	5.6	F
8	MD	5	MATTAWOMAN BEANTOWN RD	12.174	12.184	0	36411	4	5	5.6	F
8	MD	5	MATTAWOMAN BEANTOWN RD	13.004	13.074	0	36411	4	5	5.6	F
8	MD	5	MATTAWOMAN BEANTOWN RD	13.394	13.454	0	36411	3	5	5.9	F
8	MD	5	MATTAWOMAN BEANTOWN RD	13.594	13.784	0	36411	4	5	5.6	F
8	MD	5	MATTAWOMAN BEANTOWN RD	13.784	13.834	0	36411	3	5	5.8	F
8	MD	5	MATTAWOMAN BEANTOWN RD	13.834	13.874	3	36411	3	5	4.9	E
8	MD	5	LEONARDTOWN RD	0.02	0.09	0	27930	4	5	5.4	E
8	MD	5	LEONARDTOWN RD	0.456	0.51	0	27930	4	5	5.4	E
8	MD	5	LEONARDTOWN RD	0.51	0.57	0	27930	4	5	5.2	E
8	MD	5	LEONARDTOWN RD	0.57	0.751	0	27930	4	5	4.8	E
8	MD	5	LEONARDTOWN RD	1.02	1.63	0	27930	4	5	4.8	E
8	MD	5	LEONARDTOWN RD	1.63	1.73	0	27930	4	5	4.9	E
8	MD	5	LEONARDTOWN RD	1.73	1.8	0	27930	4	5	5.2	E
8	MD	5	NO NAME	0	0.02	0	7082	2	3	5.2	E
8	MD	6	PORT TOBACCO RD	0	0.73	0	2232	2	5	5.7	F
8	MD	6	PORT TOBACCO RD	0.73	2.71	0	2232	3	5	4.6	E
8	MD	6	PORT TOBACCO RD	3.74	4.12	0	2232	3	5	4.6	E
8	MD	6	PORT TOBACCO RD	11.21	13.51	0	2622	3	5	4.6	E
8	MD	6	PORT TOBACCO RD	14.08	15.16	0	3812	3	5	5.1	E
8	MD	6	PORT TOBACCO RD	15.47	15.71	0	3812	3	5	5.1	E
8	MD	6	PORT TOBACCO RD	15.71	15.96	0	3812	4	5	4.8	E
8	MD	6	PORT TOBACCO RD	23.302	23.383	0	9362	5	7	5.4	E
8	MD	6	CHARLES ST	25.21	25.24	0	20542	3	5	4.6	E
8	MD	6	CHARLES ST	25.44	25.47	0	20542	3	5	4.9	E
8	MD	6	CHARLES ST	25.47	25.5	0	20542	3	5	5.1	E
8	MD	6	CHARLES ST	25.51	25.54	0	20542	3	5	5.3	E
8	MD	6	CHARLES ST	25.54	25.57	0	20542	3	5	5.5	E
8	MD	6	CHARLES ST	25.57	25.96	0	20542	3	5	5.5	E
8	MD	6	CHARLES ST	25.96	26.09	0	20542	3	5	5.5	E
8	MD	6	CHARLES ST	26.3	26.35	0	20542	3	5	5.5	E
8	MD	6	CHARLES ST	26.868	26.916	0	13122	4	4	4.8	E
8	MD	6	CHARLES ST	27.155	27.19	0	13122	4	4	4.8	E
8	MD	6	CHARLES ST	27.618	27.66	0	13122	4	4	4.8	E
8	MD	6	CHARLES ST	27.834	27.89	0	13122	4	4	4.8	E
8	MD	6	CHARLES ST	27.89	27.91	0	13122	4	8	6	F
8	MD	6	CHARLES ST	28.24	28.27	0	13122	4	8	6	F
8	MD	6	CHARLES ST	28.348	28.41	0	13122	4	8	6	F
8	MD	6	CHARLES ST	28.957	29	0	13122	4	8	6	F
8	MD	6	CHARLES ST	29.13	29.16	0	13122	4	8	6	F
8	MD	6	CHARLES ST	30.74	30.78	0	13122	4	10	6.8	F
8	MD	6	CHARLES ST	31.737	31.834	0	13122	4	10	6.9	F
8	MD	6	CHARLES ST	32.16	32.219	0	7482	4	7	5.6	F
8	MD	6	CHARLES ST	32.812	32.85	0	7482	4	7	5.6	F
8	MD	6	CHARLES ST	33.2	33.25	0	7482	4	7	5.5	E
8	MD	6	CHARLES ST	33.505	33.53	0	6292	4	7	5.4	E
8	MD	6	CHARLES ST	34.207	34.247	0	6292	4	7	5.4	E
8	MD	6	CHARLES ST	34.701	34.741	0	6292	4	7	5.4	E
8	MD	6	CHARLES ST	35.187	35.288	0	6292	4	7	5.4	E
8	MD	6	CHARLES ST	35.449	35.48	0	6292	4	7	5.4	E
8	MD	6	CHARLES ST	35.745	35.79	0	6292	4	7	5.4	E
8	MD	6	CHARLES ST	35.879	35.92	0	5821	4	7	5.3	E
8	MD	6	CHARLES ST	36.489	36.533	0	5821	4	7	5.3	E
8	MD	6	CHARLES ST	36.685	36.745	0	5821	4	7	5.3	E
8	MD	6	CHARLES ST	36.85	36.95	0	5821	4	7	5.3	E
8	MD	6	CHARLES ST	37.772	37.83	0	5821	4	7	5.3	E
8	MD	210	INDIAN HEAD HWY	0.26	0.31	0	12751	4	4	4.7	E
8	MD	210	INDIAN HEAD HWY	5.11	5.33	0	15911	4	4	4.6	E
8	MD	210	INDIAN HEAD HWY	5.33	5.45	0	26111	4	5	5.1	E
8	MD	224	CHICAMUXEN RD	22.75	22.795	0	5892	4	7	5.5	E
8	MD	224	CHICAMUXEN RD	23.22	23.36	0	5892	4	7	5.5	E
8	MD	224	LIVINGSTON RD	23.83	24.17	0	4902	3	5	5.1	E
8	MD	224	LIVINGSTON RD	24.17	24.54	0	4902	4	5	5	E
8	MD	224	LIVINGSTON RD	24.54	24.66	0	4902	3	5	5.3	E
8	MD	224	LIVINGSTON RD	25.06	25.76	0	4902	3	4	4.6	E
8	MD	224	LIVINGSTON RD	26	26.7	0	4902	3	4	4.6	E
8	MD	225	HAWTHORNE RD	0	0.04	0	9162	2	3	5.4	E
8	MD	225	HAWTHORNE RD	0.31	0.32	0	9162	4	6	4.8	E
8	MD	225	HAWTHORNE RD	1.173	1.23	0	9162	4	7	5.6	F
8	MD	225	HAWTHORNE RD	1.23	1.24	0	13912	3	10	7.2	F
8	MD	225	HAWTHORNE RD	1.513	1.717	0	13912	3	10	7.6	F
8	MD	225	HAWTHORNE RD	2.212	2.251	0	13912	4	10	6.9	F
8	MD	225	HAWTHORNE RD	5.231	5.29	0	13912	4	10	6.9	F
8	MD	225	HAWTHORNE RD	7.312	7.37	0	13912	4	10	6.9	F
8	MD	225	HAWTHORNE RD	7.762	7.81	0	13912	4	10	6.9	F
8	MD	225	HAWTHORNE RD	8.828	8.88	0	13912	4	10	6.9	F
8	MD	225	HAWTHORNE RD	9.668	9.73	0	13912	4	10	6.9	F
8	MD	225	HAWTHORNE RD	10.44	10.51	0	13912	4	4	4.7	E
8	MD	225	HAWTHORNE RD	10.51	10.57	0	13912	2	4	4	E
8	MD	225	HAWTHORNE RD	10.57	10.59	0	13912	2	4	5.9	F
8	MD	227	MARSHALL HALL RD	0	0.22	0	6011	3	7	5.9	F
8	MD	227	MARSHALL HALL RD	2.13	2.18	0	6011	4	7	5.4	E
8	MD	227	LIVINGSTON RD	4.51	4.54	0	11061	3	4	4.8	E
8	MD	227	LIVINGSTON RD	5.24	5.45	3	11061	3	8	5.2	E
8	MD	227	LIVINGSTON RD	5.513	5.84	3	11061	3	8	5.2	E
8	MD	227	MARSHALL CORNER RD	9.52	9.53	0	6311	3	6	5.4	E
8	MD	227	MARSHALL CORNER RD	10.16	10.2	3	6111	3	6	4.8	E
8	MD	227	MARSHALL CORNER RD	11.075	11.418	2	6111	3	6	4.8	E
8	MD	227	MARSHALL CORNER RD	11.537	12.17	2	6111	3	6	4.8	E
8	MD	228	BERRY RD	4.842	4.973	0	39710	4	5	5.6	F
8	MD	228	BERRY RD	4.973	5.21	0	39710	4	5	5.6	F
8	MD	228	BERRY RD	5.21	5.39	0	39710	4	5	5.3	E
8	MD	228	BERRY RD	5.39	5.51	0	39710	3	5	5.7	F
8	MD	231	BURNT STORE RD	2.19	2.25	0	3322	3	5	4.6	E
8	MD	231	PRINCE FREDERICK RD	3.66	3.67	0	3322	3	4	4.8	E
8	MD	231	PRINCE FREDERICK RD	3.711	3.743	0	16782	4	8	6.3	F
8	MD	231	PRINCE FREDERICK RD	3.792	3.802	0	16782	4	8	5.9	F
8	MD	231	PRINCE FREDERICK RD	3.802	3.825	0	16782	4	10	7	F
8	MD	231	PRINCE FREDERICK RD	3.825	3.848	0	16782	4	10	6.1	F
8	MD	231	PRINCE FREDERICK RD	3.848	3.912	0	16782	4	10	4.8	E
8	MD	231	PRINCE FREDERICK RD	3.97	4.04	0	16782	4	10	7	F
8	MD	231	PRINCE FREDERICK RD	4.252	4.33	0	16782	4	10	7	F
8	MD	231	PRINCE FREDERICK RD	6.327	6.486	0	10961	4	10	6.7	F
8	MD	231	PRINCE FREDERICK RD	7.201	7.292	0	10961	4	10	6.7	F
8	MD	231	PRINCE FREDERICK RD	7.357	7.475	0	10961	4	10	6.7	F
8	MD	231	PRINCE FREDERICK RD	7.961	8.007	0	10961	4	10	6.7	F
8	MD	231	PRINCE FREDERICK RD	8.364	8.488	0	10961	4	10	6.7	F
8	MD	234	BUDDS CREEK RD	1.509	1.59	0	7301	4	7	5.6	F
8	MD	234	BUDDS CREEK RD	2.135	2.182	0	5860	4	7	5.5	E
8	MD	234	BUDDS CREEK RD	2.678	2.74	0	5860	4	7	5.5	E
8	MD	234	BUDDS CREEK RD	3.369	3.42	0	5860	4	7	5.5	E
8	MD	234	BUDDS CREEK RD	3.752	3.794	0	5860	4	7	5.5	E
8	MD	234	BUDDS CREEK RD	4.066	4.13	0	5860	4	7	5.5	E
8	MD	234	BUDDS CREEK RD	4.464	4.502	0	5860	4	7	5.5	E
8	MD	234	BUDDS CREEK RD	4.905	4.97	0	5860	4	7	5.5	E
8	MD	234	BUDDS CREEK RD	5.461	5.5	0	5860	4	7	5.5	E
8	MD	234	BUDDS CREEK RD	5.5	5.51	0	6311	4	7	5.5	E
8	MD	234	BUDDS CREEK RD	5.768	5.827	0	6311	4	7	5.5	E
8	MD	234	BUDDS CREEK RD	6.126	6.189	0	6311	4	7	5.5	E
8	MD	257	ROCK POINT RD	1.61	1.708	0	3650	4	5	4.6	E
8	MD	257	ROCK POINT RD	2.214	2.24	0	3650	4	5	4.6	E
8	MD	257	ROCK POINT RD	3.363	3.39	0	3650	4	5	4.6	E
8	MD	257	ROCK POINT RD	3.822	3.84	0	3970	4	5	4.7	E
8	MD	257	ROCK POINT RD	5.69	5.738	0	3970	4	5	4.7	E
8	MD	257	ROCK POINT RD	6.4	6.46	0	3970	4	5	4.7	E
8	MD	257	ROCK POINT RD	8.112	8.15	0	6830	4	7	5.5	E
8	MD	257	ROCK POINT RD	8.572	8.59	0	6830	4	7	5.5	E
8	MD	257	ROCK POINT RD	9.456	9.49	0	6830	4	6	4.8	E
8	MD	381	BUDDS CREEK RD	0.605	0.753	0	6030	4	5	5.4	E
8	MD	488	LA PLATA RD	0.007	0.07	0	6930	3	3	5.2	E
8	MD	488	LA PLATA RD	0.647	1.07	0	6930	3	3	4.6	E
8	MD	488	LA PLATA RD	1.07	1.11	0	6930	4	4	5	E
8	MD	488	LA PLATA RD	1.32	1.398	0	6930	4	4	4.8	E
8	MD	488	LA PLATA RD	2.905	2.99	0	6930	4	7	5.4	E
8	MD	488	LA PLATA RD	5.96	6.01	0	6930	3	7	5.1	E
8	MD	925	OLD WASHINGTON RD	1.27	1.29	0	11020	3	4	5.3	E
8	MD	925	OLD WASHINGTON RD	1.89	1.99	0	11020	3	4	4.8	E
8	MD	925	OLD WASHINGTON RD	2.25	2.49	0	11020	3	4	4.8	E
8	MD	925	BILLINGSLEY RD	4.82	4.87	0	11020	3	4	4.8	E
8	US	301	CRAIN HWY	3.016	3.09	0	18497	3	10	7.5	F
8	US	301	CRAIN HWY	3.13	3.23	0	18497	3	10	7.5	F
8	US	301	CRAIN HWY	3.427	3.519	0	18497	3	10	7.5	F
8	US	301	CRAIN HWY	3.748	3.81	0	18497	3	10	7.5	F
8	US	301	CRAIN HWY	3.81	3.85	0	22751	5	12	7.9	F
8	US	301	CRAIN HWY	5.71	5.76	0	22751	4	12	8.1	F
8	US	301	CRAIN HWY	7.417	7.461	0	24331	4	12	8.1	F
8	US	301	CRAIN HWY	8.372	8.447	0	24331	4	12	8.1	F
8	US	301	CRAIN HWY	8.956	9.051	0	24331	4	12	8.1	F
8	US	301	CRAIN HWY	9.34	9.358	0	24331	4	12	8.1	F
8	US	301	CRAIN HWY	9.842	9.993	0	24331	4	12	8.1	F
8	US	301	CRAIN HWY	11.416	11.522	0	24331	4	12	8.1	F
8	US	301	CRAIN HWY	12.412	12.514	0	24331	4	12	8.1	F
8	US	301	CRAIN HWY	13.051	13.11	0	24331	4	12	8.1	F
8	US	301	CRAIN HWY	14.61	14.81	0	25920	3	0	4.6	E
8	US	301	CRAIN HWY	16.09	16.17	0	42551	4	0	4.6	E
8	US	301	CRAIN HWY	16.288	16.34	0	42551	4	0	4.6	E
8	US	301	CRAIN HWY	17.62	17.64	10	42551	4	15	5.4	E
8	US	301	CRAIN HWY	17.64	17.67	10	43290	5	15	5.3	E
8	US	301	CRAIN HWY	17.67	17.77	0	43290	5	15	9.7	F
8	US	301	CRAIN HWY	17.77	17.9	0	43290	5	15	9.7	F
8	US	301	CRAIN HWY	17.9	19.027	10	43290	5	15	5.3	E
8	US	301	CRAIN HWY	19.167	19.26	10	43290	5	15	5.3	E
8	US	301	CRAIN HWY	19.26	19.38	10	43290	5	15	5.3	E
8	US	301	CRAIN HWY	19.51	19.55	0	43290	4	0	4.6	E
8	US	301	CRAIN HWY	20.273	20.33	0	51651	4	0	4.7	E
8	US	301	CRAIN HWY	20.41	20.77	0	51651	4	0	4.7	E
8	US	301	CRAIN HWY	21.67	21.83	0	40371	5	4	5.2	E
8	US	301	CRAIN HWY	21.83	22	0	40371	4	4	5.3	E
8	US	301	CRAIN HWY	22	23.12	0	57001	4	4	5.3	E
8	US	301	CRAIN HWY	23.12	23.31	0	57001	3	4	5.7	F
8	US	301	CRAIN HWY	23.31	26.04	0	63341	4	4	5.4	E
8	US	301	CRAIN HWY	26.04	26.123	0	63341	3	4	5.7	F
8	US	301	CRAIN HWY	26.21	26.27	0	73212	4	4	5.4	E

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

Miles
0 3.75 7.5 15

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