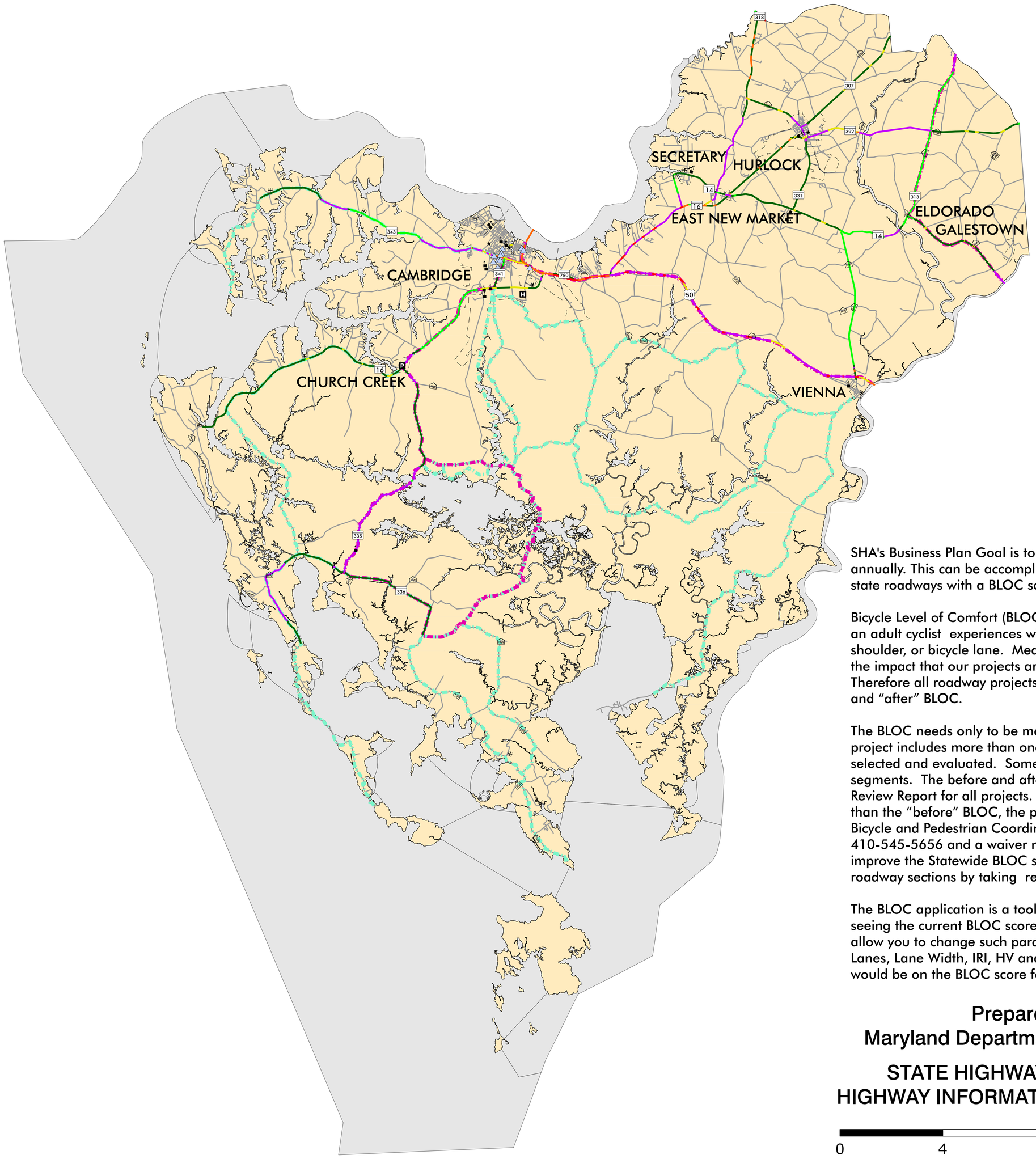
SHA BLOC DESKTOP TOOL MAP - DORCHESTER COUNTY



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 4 8 16 Miles

ROAD NAMES OF BLOC GRADE > D

County	Prefix	Rte Num	Rte Name	BMP	EMP	Shld Wid	AADT	IRI	HV	Score	Grade
9	MD	16	MT HOLLY RD	19.57	19.6	0	10842	5	10	6.7	F
9	MD	16	MT HOLLY RD	19.6	19.61	0	10842	5	10	6.6	F
9	MD	16	MT HOLLY RD	20.09	20.25	0	10842	5	10	6.6	F
9	MD	16	MT HOLLY RD	20.35	20.6	0	10842	5	10	6.6	F
9	MD	16	MT HOLLY RD	21.04	21.2	0	10842	5	10	6.6	F
9	MD	16	MT HOLLY RD	21.51	21.69	0	10842	5	10	6.6	F
9	MD	16	MT HOLLY RD	22	22.193	0	10842	5	10	6.6	F
9	MD	16	MT HOLLY RD	23.45	23.52	0	10842	5	10	6.6	F
9	MD	16	MT HOLLY RD	23.52	23.82	0	7772	5	7	5.3	E
9	MD	16	MT HOLLY RD	23.52	23.82	0	7772	5	7	5.3	E
9	MD	16	MT HOLLY RD	24.32	24.41	0	7772	5	7	5.3	E
9	MD	16	MT HOLLY RD	24.41	24.44	0	2132	3	5	4.6	E
9	MD	318	PRESTON RD	0.08	0.16	0	6882	3	7	5.8	F
9	MD	318	PRESTON RD	0.33	0.37	0	6882	3	7	5.8	F
9	MD	331	RHODESDALE VIENNA RD	0.27	0.36	0	2440	4	5	4.7	E
9	MD	331	EAST NEW MARKET ELLWOOD RD	13.82	13.9	0	4600	4	5	4.7	E
9	MD	331	EAST NEW MARKET ELLWOOD RD	14.54	14.62	0	4600	4	5	4.7	E
9	MD	331	EAST NEW MARKET ELLWOOD RD	14.62	14.7	0	4690	4	5	4.7	E
9	MD	331	EAST NEW MARKET ELLWOOD RD	15.1	15.5	0	4690	4	5	4.7	E
9	MD	331	EAST NEW MARKET ELLWOOD RD	15.86	16.02	0	4690	4	5	4.7	E
9	MD	331	EAST NEW MARKET ELLWOOD RD	16.15	16.33	0	4690	4	5	4.7	E
9	MD	343	WASHINGTON ST	9.95	10.37	0	8491	2	3	5.2	E
9	MD	392	EAST NEW MARKET BYPASS	0	0.05	0	5992	5	7	5.2	E
9	MD	392	EAST NEW MARKET BYPASS	0.32	0.51	0	5992	5	7	5.2	E
9	MD	392	EAST NEW MARKET BYPASS	1	1.08	0	5992	4	7	5.4	E
9	MD	392	EAST NEW MARKET BYPASS	1.08	1.17	0	5892	4	7	5.4	E
9	MD	392	EAST NEW MARKET BYPASS	2.62	2.69	0	5892	4	7	5.4	E
9	MD	392	EAST NEW MARKET BYPASS	2.69	2.77	0	4412	4	5	4.7	E
9	MD	392	EAST NEW MARKET BYPASS	3.77	3.84	0	4412	4	5	4.7	E
9	MD	392	EAST NEW MARKET BYPASS	4.22	4.37	0	4412	4	5	4.7	E
9	MD	392	HARRISON FERRY RD	7.04	7.07	0	5992	4	7	5.4	E
9	US	50	SUNBURST HWY	0	0.61	6	26411	3	10	5.2	E
9	US	50	SUNBURST HWY	0.71	0.76	0	26411	4	5	5.1	E
9	US	50	SUNBURST HWY	0.76	1.55	0	26411	4	5	4.9	E
9	US	50	SUNBURST HWY	1.55	1.72	0	34721	4	5	5.1	E
9	US	50	OCEAN GATEWAY	1.72	2.29	0	35021	4	5	5.1	E
9	US	50	OCEAN GATEWAY	2.29	2.52	0	41361	4	4	4.9	E
9	US	50	OCEAN GATEWAY	2.52	2.7	0	41361	4	4	5.1	E
9	US	50	OCEAN GATEWAY	2.7	2.8	0	41361	5	12	7.9	F
9	US	50	OCEAN GATEWAY	2.8	3.7	0	41361	5	15	9.4	F
9	US	50	OCEAN GATEWAY	3.7	3.88	10	41361	5	15	5	E
9	US	50	OCEAN GATEWAY	3.88	3.99	10	41361	5	15	5.3	E
9	US	50	OCEAN GATEWAY	3.99	4.07	0	41361	5	15	9.7	F
9	US	50	OCEAN GATEWAY	4.07	4.09	10	41361	5	15	5.3	E
9	US	50	OCEAN GATEWAY	4.09	4.167	0	41361	5	15	9.7	F
9	US	50	OCEAN GATEWAY	4.167	4.56	10	41361	5	15	5.3	E
9	US	50	OCEAN GATEWAY	4.56	4.737	0	41361	5	15	9.7	F
9	US	50	OCEAN GATEWAY	4.737	4.8	10	41361	5	15	5.3	E
9	US	50	OCEAN GATEWAY	4.8	4.95	10	41361	5	15	5.3	E
9	US	50	OCEAN GATEWAY	5.51	5.662	0	20861	5	12	7.9	F
9	US	50	OCEAN GATEWAY	5.986	6.06	0	20861	5	12	7.9	F
9	US	50	OCEAN GATEWAY	6.08	6.17	0	20861	5	12	7.9	F
9	US	50	OCEAN GATEWAY	6.63	6.792	0	20861	5	12	7.9	F
9	US	50	OCEAN GATEWAY	7	7.18	0	20861	5	12	7.9	F
9	US	50	OCEAN GATEWAY	7.74	7.901	0	20861	4	12	8.1	F
9	US	50	OCEAN GATEWAY	8.43	8.51	0	20861	4	12	8.1	F
9	US	50	OCEAN GATEWAY	8.51	8.6	0	20041	5	12	7.9	F
9	US	50	OCEAN GATEWAY	8.99	9.16	0	20041	5	12	7.9	F
9	US	50	OCEAN GATEWAY	9.49	9.65	0	20041	5	12	7.9	F
9	US	50	OCEAN GATEWAY	10.41	10.54	0	20041	5	12	7.9	F
9	US	50	OCEAN GATEWAY	11.42	11.6	0	20041	5	12	7.9	F
9	US	50	OCEAN GATEWAY	14.97	15.06	0	18981	5	10	7	F
9	US	50	OCEAN GATEWAY	15.58	15.68	0	18981	5	10	7	F
9	US	50	OCEAN GATEWAY	16.01	16.08	0	18981	5	10	7	F
9	US	50	OCEAN GATEWAY	16.08	16.183	0	25210	4	12	8.2	F
9	US	50	OCEAN GATEWAY	16.64	16.9	8	25210	3	12	5.3	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

GIS Team

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