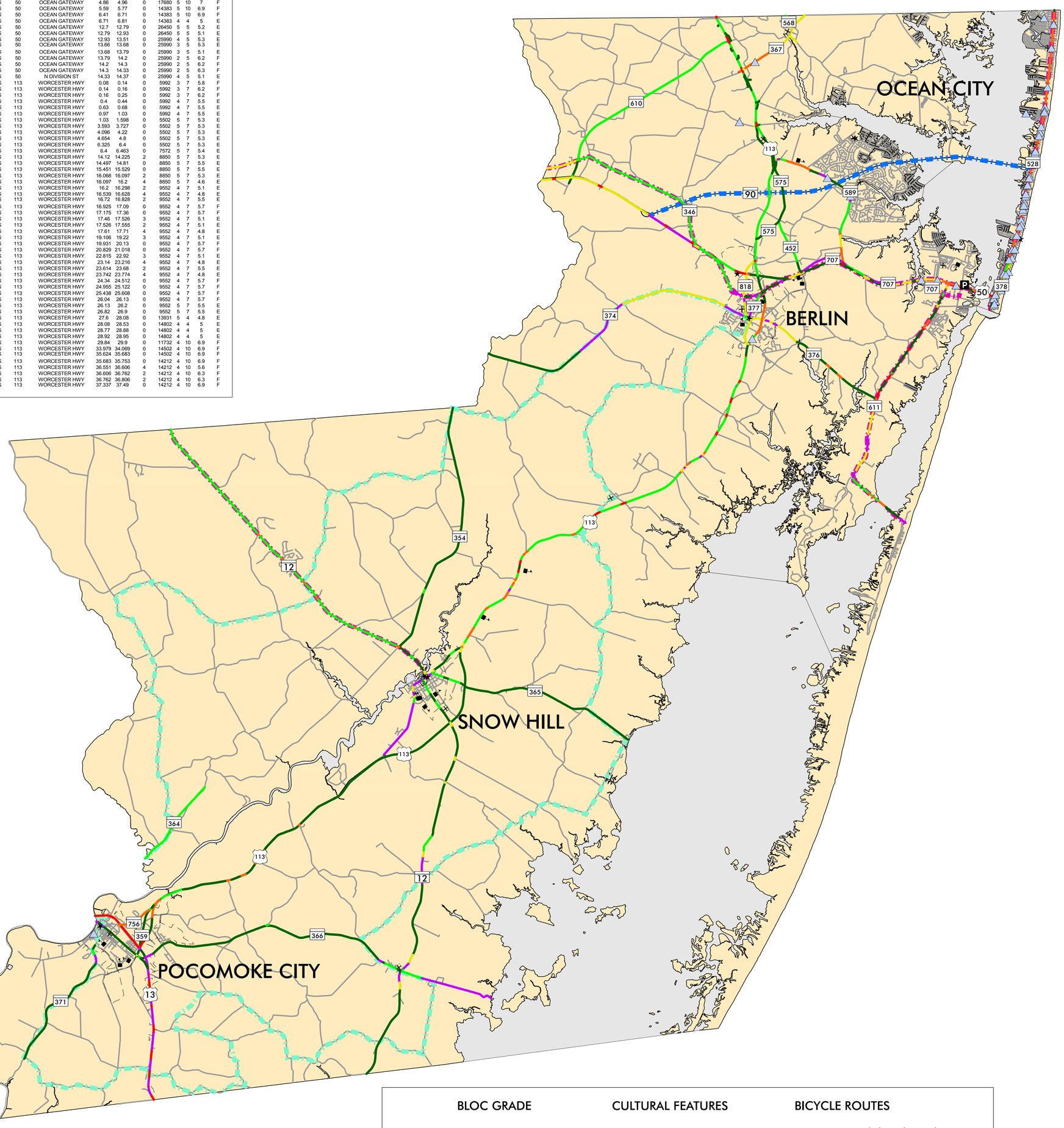
SHA BLOC DESKTOP TOOL MAP - WORCESTER

ROAD NAMES OF BLOC GRADE > D

County	Prefix	Rte Num	Rte Name	BMP	EMP	Shld Wid	AADT	IRI	HV	Score	Grade	County	Prefix	Rte Num	Rte Name	BMP	EMP	Shld Wid	AADT	IRI	HV	Score	Grade
23	MD	12	SNOW HILL RD	13.86	13.95	0	6080	4	7	5.6	F	23	US	13	OCEAN HWY	3.64	3.74	0	20333	4	12	7.9	F
23	MD	12	SNOW HILL RD	13.95	14	0	4760	4	5	4.9	E	23	US	13	OCEAN HWY	4.17	4.19	0	20333	4	12	7.9	F
23	MD	12	SNOW HILL RD	15.3	15.42	0	4760	4	5	4.9	E	23	US	13	OCEAN HWY	4.19	4.23	0	20333	4	12	8	F
23	MD	12	SNOW HILL RD	16.74	16.84	0	4760	4	5	4.9	E	23	US	13	OCEAN HWY	4.23	4.27	0	19170	5	10	7	F
23	MD	12	SNOW HILL RD	17.35	17.47	0	4760	4	5	4.9	E	23	US	13	OCEAN HWY	4.55	4.69	12	17630	5	10	7	F
23	MD	12	SNOW HILL RD	18.08	18.13	0	4760	4	5	4.9	E	23	US	13	OCEAN HWY	4.69	5.37	10	17630	5	10	7	F
23	MD	12	SNOW HILL RD	18.25	18.35	0	4760	4	5	4.9	E	23	US	13	OCEAN HWY	5.37	5.42	4	17630	5	10	7	F
23	MD	12	SNOW HILL RD	19.31	19.41	0	4760	4	5	4.9	E	23	US	13	OCEAN HWY	5.42	5.44	10	17630	5	10	7	F
23	MD	367	BISHOPVILLE RD	0	0.026	0	4131	2	5	6.1	F	23	US	13	OCEAN HWY	5.44	5.46	10	16511	4	10	7.1	F
23	MD	367	BISHOPVILLE RD	0.026	0.09	3	4131	2	5	5.1	E	23	US	13	OCEAN HWY	5.46	5.53	4	16511	4	10	7.1	F
23	MD	367	BISHOPVILLE RD	0.175	1.52	0	4131	4	5	4.8	E	23	US	13	OCEAN HWY	5.53	6.13	10	16511	4	10	7.1	F
23	MD	376	ASSATEAGUE RD	2.77	2.93	0	4112	5	5	4.6	E	23	US	13	OCEAN HWY	6.13	6.22	2	16511	4	10	7.1	F
23	MD	376	ASSATEAGUE RD	3.18	3.34	0	4112	5	5	4.6	E	23	US	13	OCEAN HWY	6.22	6.31	10	16511	4	10	7.1	F
23	MD	376	ASSATEAGUE RD	4.49	4.56	0	4112	4	5	4.8	E	23	US	50	OCEAN GATEWAY	0.27	0.437	0	25774	5	12	8	F
23	MD	528	COASTAL HWY	0.025	2.97	0	15521	3	4	5	E	23	US	50	OCEAN GATEWAY	1.65	1.8	0	25774	5	12	8	F
23	MD	528	COASTAL HWY	2.97	4.368	0	25321	3	5	5.5	E	23	US	50	OCEAN GATEWAY	3.91	4.08	0	17680	5	10	7	F
23	MD	528	COASTAL HWY	4.368	4.42	0	25321	4	5	5.2	E	23	US	50	OCEAN GATEWAY	4.86	4.96	0	17680	5	10	7	F
23	MD	528	COASTAL HWY	4.42	4.65	0	25321	3	5	5.5	E	23	US	50	OCEAN GATEWAY	5.59	5.77	0	14383	5	10	6.9	F
23	MD	528	COASTAL HWY	4.71	6.39	0	21461	3	5	5.4	E	23	US	50	OCEAN GATEWAY	6.41	6.71	0	14383	5	10	6.9	F
23	MD	528	PHILADELPHIA AVE	6.39	6.86	0	14231	3	4	5	E	23	US	50	OCEAN GATEWAY	6.71	6.81	0	14383	4	4	5	E
23	MD	528	PHILADELPHIA AVE	6.86	7.44	0	14231	3	4	4.9	E	23	US	50	OCEAN GATEWAY	12.7	12.79	0	26450	5	5	5.2	E
23	MD	528	PHILADELPHIA AVE	8.51	8.61	0	9881	2	3	5.7	F	23	US	50	OCEAN GATEWAY	12.79	12.93	0	26450	5	5	5.1	E
23	MD	528	PHILADELPHIA AVE	8.98	9.03	0	9904	3	3	4.9	E	23	US	50	OCEAN GATEWAY	12.93	13.51	0	25990	4	5	5.3	E
23	MD	528	S 1ST ST	9.03	9.04	0	9904	3	3	4.9	E	23	US	50	OCEAN GATEWAY	13.66	13.68	0	25990	3	5	5.3	E
23	MD	589	RACETRACK RD	0	0.04	0	17501	2	4	6.3	F	23	US	50	OCEAN GATEWAY	13.68	13.79	0	25990	3	5	5.1	E
23	MD	589	RACETRACK RD	0.04	0.5	0	17501	4	4	4.8	E	23	US	50	OCEAN GATEWAY	13.79	14.2	0	25990	2	5	6.2	F
23	MD	589	RACETRACK RD	0.5	0.53	0	17501	3	4	5.3	E	23	US	50	OCEAN GATEWAY	14.2	14.3	0	25990	2	5	6.2	F
23	MD	589	RACETRACK RD	0.85	0.9	0	17501	3	4	5.3	E	23	US	50	OCEAN GATEWAY	14.3	14.33	0	25990	2	5	6.3	F
23	MD	589	RACETRACK RD	1.958	2.01	0	17501	3	4	5.2	E	23	US	50	N DIVISION ST	14.33	14.37	0	25990	4	5	5.1	E
23	MD	589	RACETRACK RD	2.01	2.1	0	17501	3	4	5.5	E	23	US	113	WORCESTER HWY	0.08	0.14	0	5992	3	7	5.8	F
23	MD	589	RACETRACK RD	2.19	2.37	2	17501	3	4	4.6	E	23	US	113	WORCESTER HWY	0.14	0.16	0	5992	3	7	6.2	F
23	MD	589	RACETRACK RD	2.37	2.46	2	17501	3	4	4.6	E	23	US	113	WORCESTER HWY	0.16	0.25	0	5992	3	7	6.2	F
23	MD	589	RACETRACK RD	3.47	3.6	0	7991	4	4	4.6	E	23	US	113	WORCESTER HWY	0.4	0.44	0	5992	4	7	5.5	E
23	MD	589	RACETRACK RD	3.6	3.676	0	7991	4	7	5.5	E	23	US	113	WORCESTER HWY	0.63	0.68	0	5992	4	7	5.5	E
23	MD	589	RACETRACK RD	3.676	3.694	0	7991	4	7	5.9	F	23	US	113	WORCESTER HWY	0.97	1.03	0	5992	4	7	5.5	E
23	MD	589	RACETRACK RD	3.694	3.769	2	7991	4	7	5.3	E	23	US	113	WORCESTER HWY	1.03	1.598	0	5502	5	7	5.3	E
23	MD	589	RACETRACK RD	3.769	3.812	2	7991	4	7	4.9	E	23	US	113	WORCESTER HWY	3.593	3.727	0	5502	5	7	5.3	E
23	MD	589	RACETRACK RD	3.812	3.842	2	7991	4	7	5.3	E	23	US	113	WORCESTER HWY	4.096	4.22	0	5502	5	7	5.3	E
23	MD	589	RACETRACK RD	3.842	3.95	2	7991	4	7	4.9	E	23	US	113	WORCESTER HWY	4.654	4.8	0	5502	5	7	5.3	E
23	MD	589	RACETRACK RD	3.95	3.992	2	7991	4	7	5.3	E	23	US	113	WORCESTER HWY	6.325	6.4	0	5502	5	7	5.3	E
23	MD	589	RACETRACK RD	3.992	4.04	2	7991	4	7	4.9	E	23	US	113	WORCESTER HWY	6.4	6.463	0	7572	5	7	5.4	E
23	MD	589	RACETRACK RD	4.04	4.07	3	7991	4	7	5	E	23	US	113	WORCESTER HWY	14.12	14.225	2	8850	5	7	5.3	E
23	MD	589	RACETRACK RD	4.07	4.16	3	7991	4	7	4.6	E	23	US	113	WORCESTER HWY	14.497	14.81	0	8850	5	7	5.5	E
23	MD	589	RACETRACK RD	4.16	4.27	3	7991	4	7	5	E	23	US	113	WORCESTER HWY	15.451	15.529	0	8850	5	7	5.5	E
23	MD	611	STEPHEN DECATUR RD	0.72	1.03	0	5402	3	6	5.1	E	23	US	113	WORCESTER HWY	16.068	16.097	2	8850	5	7	5.3	E
23	MD	611	STEPHEN DECATUR RD	1.12	1.2	0	5402	4	6	4.9	E	23	US	113	WORCESTER HWY	16.097	16.2	4	8850	5	7	4.6	E
23	MD	611	STEPHEN DECATUR RD	1.27	1.35	0	5402	4	6	4.9	E	23	US	113	WORCESTER HWY	16.2	16.298	2	9552	4	7	5.1	E
23	MD	611	STEPHEN DECATUR RD	4.06	4.1	0	6982	4	7	5.7	F	23	US	113	WORCESTER HWY	16.539	16.628	4	9552	4	7	4.8	E
23	MD	611	STEPHEN DECATUR RD	4.45	4.49	0	6982	4	7	5.1	E	23	US	113	WORCESTER HWY	16.72	16.828	2	9552	4	7	5.5	E
23	MD	611	STEPHEN DECATUR RD	4.49	4.58	0	9062	3	7	5.6	F	23	US	113	WORCESTER HWY	16.925	17.09	0	9552	4	7	5.7	F
23	MD	611	STEPHEN DECATUR RD	4.58	4.72	0	9062	3	7	5.9	F	23	US	113	WORCESTER HWY	17.175	17.36	0	9552	4	7	5.7	F
23	MD	611	STEPHEN DECATUR RD	5.11	5.25	0	9062	3	7	6.3	F	23	US	113	WORCESTER HWY	17.46	17.526	3	9552	4	7	5.1	E
23	MD	611	STEPHEN DECATUR RD	5.25	5.31	0	9062	3	7	5.9	F	23	US	113	WORCESTER HWY	17.526	17.555	2	9552	4	7	5.1	E
23	MD	611	STEPHEN DECATUR RD	6.13	6.28	0	9062	3	7	5.9	F	23	US	113	WORCESTER HWY	17.61	17.71	4	9552	4	7	4.8	E
23	MD	611	STEPHEN DECATUR RD	6.94	7.01	0	9062	3	7	6.3	F	23	US	113	WORCESTER HWY	19.106	19.22	3	9552	4	7	5.1	E
23	MD	611	STEPHEN DECATUR RD	7.01	7.06	0	9062	4	4	4.7	E	23	US	113	WORCESTER HWY	19.931	20.13	0	9552	4	7	5.7	F
23	MD	611	STEPHEN DECATUR RD	7.06	7.09	0	9062	4	4	5	E	23	US	113	WORCESTER HWY	20.829	21.018	0	9552	4	7	5.7	F
23	MD	611	STEPHEN DECATUR RD	7.09	7.13	0	9062	4	4	4.7	E	23	US	113	WORCESTER HWY	22.815	22.92	3	9552	4	7	5.1	E
23	MD	611	STEPHEN DECATUR RD	7.13	7.19	0	9062	4	4	5	E	23	US	113	WORCESTER HWY	23.14	23.216	4	9552	4	7	4.8	E
23	MD	611	STEPHEN DECATUR RD	7.19	7.24	0	9062	4	4	4.7	E	23	US	113	WORCESTER HWY	23.614	23.68	2	9552	4	7	5.5	E
23	MD	611	STEPHEN DECATUR RD	7.24	7.27	0	9062	4	4	5	E	23	US	113	WORCESTER HWY	23.742	23.774	4	9552	4	7	4.8	E
23	MD	611	STEPHEN DECATUR RD	8.32	8.36	0	12032	4	4	4.6	E	23	US	113	WORCESTER HWY	24.34	24.512	0	9552	4	7	5.7	F
23	MD	611	STEPHEN DECATUR RD	8.38	8.5	0	12032	4	4	4.6	E	23	US	113	WORCESTER HWY	24.955	25.122	0	9552	4	7	5.7	F
23	MD	707	GREYS CORNER RD	0	0.07	0	2248	2	4	5.2	E	23	US	113	WORCESTER HWY	25.438	25.608	0	9552	4	7	5.7	F
23	MD	756	OLD SNOW HILL RD	0	0.08	0	4630	3	4	4.6	E	23	US	113	WORCESTER HWY	26.04	26.13	0	9552	4	7	5.7	F
23	MD	756	OLD SNOW HILL RD	0.08	0.24	0	4630	3	4	4.7	E	23	US	113	WORCESTER HWY	26.13	26.2	0	9552	5	7	5.5	E
23	MD	756	OLD SNOW HILL RD	0.24	0.26	0	4630	3	4	4.6	E	23	US	113	WORCESTER HWY	26.82	26.9	0	9552	5	7	5.5	E
23	MD	756	OLD SNOW HILL RD	0.26	1.07	0	4630	3	4	4.7	E	23	US	113	WORCESTER HWY	27.6	28.08	0	13931	5	4	4.8	E
23	US	13	OCEAN HWY	0	0.13	0	20333	4	12	7.9	F	23	US	113	WORCESTER HWY	28.08	28.53	0	14802	4	4	5	E
23	US	13	OCEAN HWY	0.36	0.46	0	20333	4	12	7.9	F	23	US	113	WORCESTER HWY	28.77	28.88	0	14802	4	4	5	E
23	US	13	OCEAN HWY	0.69	0.87	0	20333	4	12	7.9	F	23	US	113	WORCESTER HWY	28.92	28.95	0	14802	4	4	5	E
23	US	13	OCEAN HWY	1.25	1.52	0	20333	4	12	7.9	F	23	US	113	WORCESTER HWY	29.84	29.9	0	11732	4	10	6.9	F
23	US	13	OCEAN HWY	2.04	2.2	0	20333	4	12	7.9	F	23	US	113	WORCESTER HWY	33.979	34.069	0	14502	4	10	6.9	F
23	US	13	OCEAN HWY	2.76	2.79	0	20333	4	12	7.9	F	23	US	113	WORCESTER HWY	35.624	35.683	0	14502	4	10	6.9	F
23	US	13	OCEAN HWY	3.023	3.05	0	20333	4	12	7.9	F	23	US	113	WORCESTER HWY	35.683	35.753	0	14212	4	10	6.9	F
23	US	13	OCEAN HWY	3.36	3.59	0	20333	4	12	7.9	F	23	US	113	WORCESTER HWY	36.551	36.606	4	14212	4	10	5.6	F
												23	US	113	WORCESTER HWY	36.606	36.762	2	14212	4	10	6.3	F
												23	US	113	WORCESTER HWY	36.762	36.806	2	14212	4	10	6.3	F
												23	US	113	WORCESTER HWY	37.337	37.49	0	14212	4	10	6.9	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.

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.

Prepared by the
Maryland Department of Transportation

STATE HIGHWAY ADMINISTRATION
HIGHWAY INFORMATION SERVICES DIVISION

0 3 6 12 Miles

June 26, 2008