



## Mercer County Bikeability Map

### Summary

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This dataset is an effort to approximate how comfortable every street in Mercer County, New Jersey, is to bike on, for the average bicyclist. It was created by first calculating Bicycle Level of Service (BLOS) ratings for every road segment in the county using GIS data, and then my “crowdsourcing” corrections to these ratings via a webmap interface. The final ratings are simplified into three “bikeability” categories: Excellent (LOS A+B), Fair (LOS C+D), and Unfavorable (LOS E+F).

For more information please visit:

<http://www.dvrpc.org/asp/bikemercer/>

<http://www.dvrpc.org/Transportation/BicyclePedestrian/bicycle.htm>.

### Data Development

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For details on the BLOS model and our method of analysis for the scores you see on the Mercer County Bikeability Map, please view:

<http://www.dvrpc.org/asp/bikemercer/pdf/process.pdf> .

### Bikescore Lookup

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**Excellent:** *These major road segments are generally comfortable to bike along (BLOS grades A and B)*

**Fair:** *These major road segments may present some issues, depending on your experience level (BLOS grades C and D)*

**Unfavorable:** *These major road segments are generally not comfortable to bike along (BLOS grades E and F)*

**Unbikeable:** *Roadways on which bicycles cannot travel (limited access highways, highway access ramps and other selected “hazardous” routes)*

**Minor\_Fav:** *These minor road segments are generally comfortable to bike along (BLOS grades A, B, or C)*

**Minor\_UnFav:** *These road segments are generally not comfortable to bike along (BLOS grades D, E, or F)*

## Key Attribute Fields (Source)

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**SRI Standard:** *Route Identifier (NJDOT) –unique ID for each roadway*

**MP\_START:** *Starting milepost of roadway (NJDOT)*

**MP\_END:** *Ending milepost of roadway (NJDOT)*

**HWY\_TYPE:** *Type of highway (0 Undivided, 1 Divided, 2 Dual/Dual) (NJDOT)*

**LANES:** *Lane count (NJDOT)*

**PQI\_MRM:** *Pavement rating (not sure of exact meaning) (NJDOT, legacy data)*

**PDI\_MRM:** *Pavement rating (not sure of exact meaning) (NJDOT, legacy data)*

**IRI:** *International Roughness Index pavement rating (NJDOT, legacy data)*

**PAV\_WD:** *Pavement width on roadway (NJDOT)*

**SHLD\_WD:** *Shoulder width (NJDOT)*

**SPEED:** *Roadway speed (NJDOT)*

**AADT\_AVG:** *Annual Average Daily Traffic (NJDOT/DVRPC)*

**AREA\_TYPE:** *Area Location Type (NJDOT)*

**FUNCCLS:** *Functional classification (NJDOT) codes don't match the new ones*

**SEG\_MILES:** *Length of segment in miles (DVRPC)*

**OSP\_PCT:** *On-street parking percentage (DVRPC)*

**STATUS:** *Unknown*

**HV:** *Percent of heavy vehicles in traffic mix (Populated by functional class using DVRPC average regional values for “heavy trucks” plus buses. Data was provided by DVRPC modeling staff, and is derived from traffic counts and travel surveys over time).*

**WT:** *Combined width of outside lane and shoulder (NJDOT)*

**SCORE:** *Numerical BLOS Score (DVRPC)*

**BLOS:** *corresponding letter grade (A-F) based on a variety of roadway design and traffic characteristics (DVRPC)*

**BIKESCORE:** *Final BLOS rating based off letter grade, roadway type, and additional user input (DVRPC)*

**ROADTYPE:** *Roadway designation for cartographic purposes (DVRPC)*

**EDITS:** *DVRPC notes on editing/modifying calculated BLOS (DVRPC)*

## FC Attribute Lookup

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01 - RURAL PRINCIPLE ARTERIAL INTERSTATE  
02 - RURAL PRINCIPLE ARTERIAL OTHER  
06 - RURAL MINOR ARTERIAL  
07 - RURAL MAJOR COLLECTOR  
08 - RURAL MINOR COLLECTOR  
09 - RURAL LOCAL  
11 - URBAN PRINCIPLE ARTERIAL INTERSTATE  
12 - URBAN PRINCIPLE ARTERIAL OTHER FREEWAYS  
14 - URBAN OTHER PRINCIPLE ARTERIAL  
16 - URBAN MINOR ARTERIAL  
17 - URBAN COLLECTOR  
19 - URBAN LOCAL  
99 - RAMP

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