


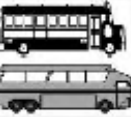











Description of Classes

	CLASS 1: Motorcycles – All two or three-wheeled motorized vehicles. Typical vehicles in this category have saddle type seats and are steered by handlebars rather than steering wheels. This category includes motorcycles, motor scooters, mopeds, motor-powered bicycles, and three-wheel motorcycles.
	CLASS 2: Passenger Cars – All sedans, coupes, and station wagons manufactured primarily for the purpose of carrying passengers and including those passenger cars pulling recreational or other light trailers.
	CLASS 3: Other Two-Axle, Four-Tire Single Unit Vehicles – All two-axle, four-tire vehicles, other than passenger cars. Included in this classification are pickups, panels, vans, and other vehicles such as campers, motor homes, ambulances, hearses, carryalls, and minibuses. Other two-axle, four-tire single-unit vehicles pulling recreational or other light trailers are included in this classification.
	CLASS 4: Buses – All vehicles manufactured as traditional passenger-carrying buses with two axles and six tires or three or more axles. This category includes only traditional buses (including school buses) functioning as passenger-carrying vehicles. Modified buses should be considered to be a truck and should be appropriately classified.
	CLASS 5: Two-Axle, Six-Tire, Single-Unit Trucks – All vehicles on a single frame including trucks, camping and recreational vehicles, motor homes, etc., with two axles and dual rear wheels.
	CLASS 6: Three-Axle Single-Unit Trucks – All vehicles on a single frame including trucks, camping and recreational vehicles, motor homes, etc., with three axles.
	CLASS 7: Four or More Axle Single-Unit Trucks – All trucks on a single frame with four or more axles.
	CLASS 8: Four or Fewer Axle Single-Trailer Trucks – All vehicles with four or fewer axles consisting of two units, one of which is a tractor or straight truck power unit.
	CLASS 9: Five-Axle Single-Trailer Trucks – All five-axle vehicles consisting of two units, one of which is a tractor or straight truck power unit.
	CLASS 10: Six or More Axle Single-Trailer Trucks – All vehicles with six or more axles consisting of two units, one of which is a tractor or straight truck power unit.
	CLASS 11: Five or fewer Axle Multi-Trailer Trucks – All vehicles with five or fewer axles consisting of three or more units, one of which is a tractor or straight truck power unit.
	CLASS 12: Six-Axle Multi-Trailer Trucks – All six-axle vehicles consisting of three or more units, one of which is a tractor or straight truck power unit.
	CLASS 13: Seven or More Axle Multi-Trailer Trucks – All vehicles with seven or more axles consisting of three or more units, one of which is a tractor or straight truck power unit.

Descriptions based on Traffic Monitoring Guide - May 1, 2001; Section 4: Vehicle Classification Monitoring
<http://www.fhwa.dot.gov/ohim/tmg/tmg4.htm#tab4a1>

STATE HIGHWAY ADMINISTRATION OF MARYLAND
OFFICE OF PLANNING AND PRELIMINARY ENGINEERING
DATA SERVICES DIVISION



Percent of Vehicle by Highway Functional System Group
Year 2023

Functional System Description	Functional System Group	Class 1	Class 2	Class 3	Class 4	Class 5-7	Class 8-13	
		MOTORCYCLES	PASSENGER CARS	LIGHT TRUCKS	BUSES	SINGLE-UNIT TRUCKS	COMBINATION-UNIT TRUCKS	
Rural Interstate	1	0.24%	68.18%	14.87%	0.19%	3.91%	12.61%	100.00%
Rural Arterial	2	0.26%	72.74%	20.34%	0.23%	4.31%	2.12%	100.00%
Rural Others	3	0.38%	69.62%	23.65%	0.23%	4.93%	1.19%	100.00%
Urban Interstate	4	0.17%	79.39%	11.92%	0.22%	3.27%	5.03%	100.00%
Urban Arterial	5	0.27%	84.14%	11.89%	0.21%	2.36%	1.12%	100.00%
Urban Other	6	0.40%	84.66%	11.35%	0.17%	2.84%	0.58%	100.00%
	Total	0.29%	76.46%	15.67%	0.21%	3.61%	3.78%	100.00%

Note: These number reflect the data submitted for Vehicle Summaries to Federal Highway Highway Administration for Highway Performance Monitoring System (HPMS) Annual Submission

1-Rural Interstate

2-Rural Other Arterial (includes Other Freeways & Expressways, Other Principal Arterials, and Minor Arterials)

3-Rural Other (includes Major Collectors, Minor Collectors, and Locals)

4-Urban Interstate

5-Urban Other Arterial (includes Other Freeways & Expressways, Other Principal Arterials, and Minor Arterials)

6-Urban Other (includes Major Collectors, Minor Collectors, and Locals)

July - 2024

STATE HIGHWAY ADMINISTRATION OF MARYLAND
OFFICE OF PLANNING AND PRELIMINARY ENGINEERING
DATA SERVICES DIVISION



Percent of Vehicle by Highway Functional System Group
Year 2022

Functional System Description	Functional System Group	Class 1	Class 2	Class 3	Class 4	Class 5-7	Class 8-13	
		MOTORCYCLES	PASSENGER CARS	LIGHT TRUCKS	BUSES	SINGLE-UNIT TRUCKS	COMBINATION-UNIT TRUCKS	
Rural Interstate	1	0.33%	67.18%	14.66%	0.21%	4.41%	13.21%	100.00%
Rural Arterial	2	0.38%	76.71%	16.11%	0.15%	3.57%	3.08%	100.00%
Rural Others	3	0.57%	73.18%	20.03%	0.33%	4.81%	1.08%	100.00%
Urban Interstate	4	0.17%	80.97%	10.48%	0.37%	3.28%	4.73%	100.00%
Urban Arterial	5	0.22%	85.76%	10.41%	0.33%	2.24%	1.04%	100.00%
Urban Other	6	0.47%	86.17%	9.53%	0.68%	2.68%	0.47%	100.00%
	Total	0.36%	78.33%	13.54%	0.35%	3.50%	3.94%	100.00%

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1-Rural Interstate

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3-Rural Other (includes Major Collectors, Minor Collectors, and Locals)

4-Urban Interstate

5-Urban Other Arterial (includes Other Freeways & Expressways, Other Principal Arterials, and Minor Arterials)

6-Urban Other (includes Major Collectors, Minor Collectors, and Locals)

August - 2023

STATE HIGHWAY ADMINISTRATION OF MARYLAND
OFFICE OF PLANNING AND PRELIMINARY ENGINEERING
DATA SERVICES DIVISION



Percent of Vehicle by Highway Functional System Group
Year 2021

Functional System Description	Functional System Group	Class 1	Class 2	Class 3	Class 4	Class 5-7	Class 8-13	
		MOTORCYCLES	PASSENGER CARS	LIGHT TRUCKS	BUSES	SINGLE-UNIT TRUCKS	COMBINATION-UNIT TRUCKS	
Rural Interstate	1	0.19%	66.67%	14.44%	1.39%	4.76%	12.55%	100.00%
Rural Arterial	2	0.25%	70.12%	19.81%	0.99%	4.95%	3.88%	100.00%
Rural Others	3	0.47%	67.77%	22.72%	0.87%	5.68%	2.49%	100.00%
Urban Interstate	4	0.13%	77.56%	11.92%	0.94%	3.70%	5.75%	100.00%
Urban Arterial	5	0.18%	81.45%	12.75%	0.71%	3.25%	1.66%	100.00%
Urban Other	6	0.31%	81.24%	12.86%	1.10%	3.44%	1.05%	100.00%
	Total	0.26%	74.14%	15.75%	1.00%	4.30%	4.56%	100.00%

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1-Rural Interstate

2-Rural Other Arterial (includes Other Freeways & Expressways, Other Principal Arterials, and Minor Arterials)

3-Rural Other (includes Major Collectors, Minor Collectors, and Locals)

4-Urban Interstate

5-Urban Other Arterial (includes Other Freeways & Expressways, Other Principal Arterials, and Minor Arterials)

6-Urban Other (includes Major Collectors, Minor Collectors, and Locals)

December - 2022

STATE HIGHWAY ADMINISTRATION OF MARYLAND
OFFICE OF PLANNING AND PRELIMINARY ENGINEERING
DATA SERVICES DIVISION



Percent of Vehicle by Highway Functional System Group
Year 2020

Functional System Description	Functional System Group	Class 1	Class 2	Class 3	Class 4	Class 5-7	Class 8-13	
		MOTORCYCLES	PASSENGER CARS	LIGHT TRUCKS	BUSES	SINGLE-UNIT TRUCKS	COMBINATION-UNIT TRUCKS	
Rural Interstate	1	0.25%	67.66%	14.58%	1.12%	4.22%	12.17%	100.00%
Rural Arterial	2	0.23%	73.69%	18.63%	0.81%	3.46%	3.18%	100.00%
Rural Others	3	0.72%	69.13%	24.39%	0.83%	3.42%	1.51%	100.00%
Urban Interstate	4	0.16%	74.78%	13.46%	0.95%	4.39%	6.26%	100.00%
Urban Arterial	5	0.33%	79.98%	13.76%	0.73%	3.57%	1.63%	100.00%
Urban Other	6	1.09%	81.58%	11.96%	0.45%	3.28%	1.64%	100.00%
	Total	0.46%	74.47%	16.13%	0.82%	3.72%	4.40%	100.00%

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3-Rural Other (includes Major Collectors, Minor Collectors, and Locals)

4-Urban Interstate

5-Urban Other Arterial (includes Other Freeways & Expressways, Other Principal Arterials, and Minor Arterials)

6-Urban Other (includes Major Collectors, Minor Collectors, and Locals)

STATE HIGHWAY ADMINISTRATION OF MARYLAND
OFFICE OF PLANNING AND PRELIMINARY ENGINEERING
DATA SERVICES DIVISION



Percent of Vehicle by Highway Functional System Group
Year 2019

Functional System Description	Functional System Group	Class 1	Class 2	Class 3	Class 4	Class 5-7	Class 8-13	
		MOTORCYCLES	PASSENGER CARS	LIGHT TRUCKS	BUSES	SINGLE-UNIT TRUCKS	COMBINATION-UNIT TRUCKS	
Rural Interstate	1	0.28%	71.86%	13.86%	1.62%	2.70%	9.68%	100.00%
Rural Arterial	2	0.46%	75.21%	17.83%	0.85%	3.07%	2.58%	100.00%
Rural Others	3	0.98%	70.26%	23.76%	1.05%	3.19%	0.76%	100.00%
Urban Interstate	4	0.15%	77.25%	12.40%	0.86%	3.40%	5.94%	100.00%
Urban Arterial	5	0.24%	82.22%	12.78%	0.71%	2.84%	1.21%	100.00%
Urban Other	6	0.50%	81.51%	13.41%	0.25%	3.06%	1.27%	100.00%
	Total	0.44%	76.39%	15.67%	0.89%	3.04%	3.57%	100.00%

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5-Urban Other Arterial (includes Other Freeways & Expressways, Other Principal Arterials, and Minor Arterials)

6-Urban Other (includes Major Collectors, Minor Collectors, and Locals)

STATE HIGHWAY ADMINISTRATION OF MARYLAND
OFFICE OF PLANNING AND PRELIMINARY ENGINEERING
DATA SERVICES DIVISION



Percent of Vehicle by Highway Functional System Group
Year 2018

Functional System Description	Functional System Group	Class 1	Class 2	Class 3	Class 4	Class 5-7	Class 8-13	
		MOTORCYCLES	PASSENGER CARS	LIGHT TRUCKS	BUSES	SINGLE-UNIT TRUCKS	COMBINATION-UNIT TRUCKS	
Rural Interstate	1	0.74%	70.52%	13.68%	1.02%	4.08%	9.96%	100.00%
Rural Arterial	2	0.46%	75.65%	17.49%	0.72%	3.02%	2.66%	100.00%
Rural Others	3	0.92%	72.60%	21.73%	1.01%	3.07%	0.67%	100.00%
Urban Interstate	4	0.16%	78.40%	11.94%	0.92%	3.43%	5.15%	100.00%
Urban Arterial	5	0.29%	81.53%	12.94%	0.64%	3.25%	1.35%	100.00%
Urban Other	6	0.75%	78.21%	15.15%	0.73%	3.45%	1.71%	100.00%
	Total	0.55%	76.16%	15.49%	0.84%	3.38%	3.58%	100.00%

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4-Urban Interstate

5-Urban Other Arterial (includes Other Freeways & Expressways, Other Principal Arterials, and Minor Arterials)

6-Urban Other (includes Major Collectors, Minor Collectors, and Locals)

STATE HIGHWAY ADMINISTRATION OF MARYLAND
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DATA SERVICES DIVISION



Percent of Vehicle by Highway Functional System Group
Year 2017

Functional System Description	Functional System Group	Class 1	Class 2	Class 3	Class 4	Class 5-7	Class 8-13	
		MOTORCYCLES	PASSENGER CARS	LIGHT TRUCKS	BUSES	SINGLE-UNIT TRUCKS	COMBINATION-UNIT TRUCKS	
Rural Interstate	1	0.44%	67.59%	13.44%	0.97%	5.04%	12.52%	100.00%
Rural Arterial	2	0.71%	74.18%	17.94%	0.69%	3.33%	3.15%	100.00%
Rural Others	3	0.82%	72.34%	21.50%	1.04%	3.57%	0.73%	100.00%
Urban Interstate	4	0.19%	78.47%	12.31%	0.87%	3.42%	4.74%	100.00%
Urban Arterial	5	0.27%	82.45%	12.56%	0.63%	2.94%	1.15%	100.00%
Urban Other	6	0.98%	79.37%	14.85%	0.44%	3.66%	0.70%	100.00%
	Total	0.57%	75.74%	15.43%	0.77%	3.66%	3.83%	100.00%

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6-Urban Other (includes Major Collectors, Minor Collectors, and Locals)