Michigan
Transportation by the Numbers

Transportation Infrastructure

Major Airports
8
Includes Federal Aviation Administration Part-139 public use airports.

Major Water Ports
12
Includes ports ranked in the top 150 ports by tonnage in 2017.

Border Ports of Entry
4

Miles of Public Road
122,164

Bridges
11,228

Miles of Freight Railroad
2,417

Number of MPOs
13

ROAD CONDITION
Good or Fair 77.2%

BRIDGE DECK AREA CONDITION
Good 35.4%
Fair 55.3%
Poor 9.3%

Roads with acceptable pavement ride quality based on International Roughness Index

January 2020

U.S. Department of Transportation
Bureau of Transportation Statistics
POPULATION

10.0m ▲ 0.9%
2019 2009-2019

EMPLOYMENT

4.3m ▲ 6.6%
2018 2008-2018

LICENSED DRIVERS

7.2m ▲ 0.5%
2018 2008-2018

REGISTERED VEHICLES

8.5m ▲ 4.0%
2017 2007-2017

TRANSPORTATION BY THE NUMBERS

36.4
36.1
Michigan
United States

3.39
3.37
Michigan
United States

Drove alone
Carpool
Public transportation
Bicycle
Walked
Taxi, motorcycle, other
Worked at home

AVERAGE DAILY PERSON MILES
Miles per person per day, 2017

Michigan
United States

AVERAGE DAILY PERSON TRIPS
Trips per person per day, 2017

Michigan
United States

PAASSENGER TRAVEL BY TRIP PURPOSE
Percentage of annual person trips, 2017

Family/personal business 39.8%
Social/recreational 26.8%
To/from work 16.9%
School/church 11.1%
Work-related 1.7%
Other 3.7%

TRANSPORTATION INDUSTRY JOBS

108.4k ▲ 18.8%
2018 2008-2018

Truck transportation

47,502 ▲ 22.0%

Transit and ground passenger transportation

13,825 ▲ 50.0%

Air transportation

14,572 ▲ 2.5%

Other

32,832 ▲ 13.7%
VALUE OF FREIGHT FLOW

$1.1t ▲ 7.6%
Current dollars, 2018 2012-2018

TONS OF FREIGHT FLOW

660.0m ▲ 12.9%
2018 2012-2018

TON-MILES OF FREIGHT FLOW

279.0b ▲ 13.1%
2018 2012-2018

MICHIGAN INTERSTATE FREIGHT FLOWS. 2018

STATE GROSS DOMESTIC PRODUCT

$527.1b ▲ 36.5%
Current dollars, 2018 2008-2018

STATE AND LOCAL GOVERNMENT TRANSPORTATION REVENUES AND EXPENDITURES

Millions of current dollars, 2017

<table>
<thead>
<tr>
<th>Highway</th>
<th>Transit</th>
<th>Air</th>
<th>Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,537</td>
<td>74</td>
<td>502</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Revenues</th>
<th>Expenditures</th>
</tr>
</thead>
<tbody>
<tr>
<td>4,295</td>
<td>710</td>
</tr>
</tbody>
</table>

TOP COMMODITIES SHIPPED FROM MICHIGAN

By value moved in billions of current dollars, 2018

- Motorized vehicles: $118.4
- Machinery: $28.7
- Plastics/rubber: $16.6
- Base metals: $15.6
- Electronics: $15.3

By weight moved in millions of tons, 2018

- Motorized vehicles: 25.9
- Gravel: 16.5
- Coal-n.e.c.: 15.4
- Base metals: 10.8
- Other foodstuffs: 10.3

TOP COMMODITIES SHIPPED TO MICHIGAN

By value moved in billions of current dollars, 2018

- Motorized vehicles: $111.1
- Machinery: $40.2
- Electronics: $40.1
- Mixed freight: $22.8
- Plastics/rubber: $22.2

By weight moved in millions of tons, 2018

- Coal-n.e.c.: 61.0
- Coal: 20.3
- Motorized vehicles: 17.4
- Crude petroleum: 16.8
- Base metals: 12.4

TOP COMMODITIES SHIPPED WITHIN MICHIGAN

By value moved in billions of current dollars, 2018

- Motorized vehicles: $94.8
- Mixed freight: $25.3
- Machinery: $22.0
- Gasoline: $16.6
- Electronics: $15.4

By weight moved in millions of tons, 2018

- Gravel: 39.6
- Nonmetal min. prod.: 21.0
- Coal-n.e.c.: 20.5
- Natural sands: 19.6
- Gasoline: 17.4

MICHIGAN TRANSPORTATION BY THE NUMBERS
**RAIL FATALITIES**

<table>
<thead>
<tr>
<th>Year</th>
<th>Number</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018</td>
<td>8</td>
<td>-27.3%</td>
</tr>
</tbody>
</table>

**TRANSIT FATALITIES**

<table>
<thead>
<tr>
<th>Year</th>
<th>Number</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018</td>
<td>2</td>
<td>-60.0%</td>
</tr>
</tbody>
</table>

**RECREATIONAL BOAT FATALITIES**

<table>
<thead>
<tr>
<th>Year</th>
<th>Number</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018</td>
<td>22</td>
<td>-35.3%</td>
</tr>
</tbody>
</table>

**HIGHWAY FATALITIES**

<table>
<thead>
<tr>
<th>Year</th>
<th>Number</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018</td>
<td>974</td>
<td>-0.6%</td>
</tr>
</tbody>
</table>

**HIGHWAY FATALITY RATE**

Fatalities per 100 million vehicle miles traveled, 2018

- **Michigan**: 0.95
- **United States**: 1.13

**HIGHWAY FATALITIES BY PERSON**

- **Driver**: 51.5%
- **Passenger**: 16.4%
- **Motorcyclist**: 14.7%
- **Pedestrian**: 14.6%
- **Pedalcyclist**: 2.2%
- **Other**: 0.6%

**ENERGY USE BY SECTOR**

Percent of Btu consumed, 2017

- **Motor fuel**: 74.7%
- **Diesel**: 17.4%
- **Jet fuel**: 3.9%
- **Natural gas**: 2.8%
- **Other**: 1.2%

**TRANSPORTATION ENERGY USE**

Trillion Btu consumed, 2007-2017

- **2007**: 788.2
- **2017**: 734.8

**TRANSPORTATION EMISSIONS**

Million metric tons of CO₂, 2007-2017

- **2007**: 54.3
- **2017**: 49.5

**TRANSPORTATION ENERGY USE PER CAPITA**

Million Btu per capita, 2017

- **Michigan**: 73.7
- **United States**: 86.2

**HIGHWAY MOTOR FUEL USE PER CAPITA**

Gallons per capita, 2018

- **Michigan**: 442.4
- **United States**: 416.2

**ALTERNATIVE FUEL STATIONS**

Number of stations, 2016-2018

- **Electric**: 1,134, 1,210, 1,358
- **Ethanol**: 254, 254, 254
- **Compressed Natural Gas**: 27, 23, 19
- **Biodiesel**: 10, 9, 7