Using data and information technologies, the South Dakota Department of Transportation (SDDOT) is making travel easier and safer - and operating more efficiently.

For the latest information, visit the link below:

Road Condition Information

Road Conditions Website | https://www.sd511.org

Download the SD511 App

SDDOT Phone Numbers

Aberdeen Region (605) 626-2244
Aberdeen Area Office (605) 626-7885
Huron Area Office (605) 353-7140
Watertown Area (605) 882-5166

Mitchell Region (605) 995-8129
Sioux Falls Area (605) 367-5680
Mitchell Area (605) 995-8120
Yankton Area (605) 668-2929

Pierre Region (605) 773-3464
Central Office Pierre (605) 773-3265
Pierre Area (605) 773-5294
Mobridge Area (605) 845-3844
Winner Area (605) 842-0810

Rapid City Region (605) 394-2244
Rapid City Area (605) 394-2248
Belle Fourche Area (605) 892-2872
Custer Area (605) 673-4948
The South Dakota Department of Transportation (SDDOT) has always prided itself on being customer-driven. In fact, one of our core values in our strategic plan is to provide Transparent Public Service - including providing unprecedented access to information and decision-making processes.

Information is not only important to you, our customers, but it is also a key component of SDDOT as we strive to be efficient and effective in using the taxpayer's funds for maintaining and enhancing the state's transportation system. To maximize your investment, we gather and analyze an immense amount of data. For example, bridge and pavement condition data determines which construction and maintenance projects are scheduled in the annual Statewide Transportation Improvement Program. Our snowplows and other equipment are managed to ensure they're operational during winter-weather events and emergencies, and older equipment is replaced as it becomes less reliable and more expensive to maintain. Finally, we regularly get feedback from you on what your priorities are for spending state and federal transportation revenues. This feedback comes to us through customer satisfaction surveys.

Data also provides reliable information to us as we track our performance and helps forecast where enhancements need to occur to improve our transportation system in South Dakota: growth in passenger and truck traffic, increasing crop yields that make low-cost rail transportation even more vital, and decreases in crashes, injuries, and deaths following safety treatments on our highways with the use of rumble stripe, shoulder-widening, and high-friction surface projects throughout the state.

We hope this fact book provides you with valuable information on SDDOT and the data we use on a daily basis to make informed decisions for investing in the many modes of transportation in South Dakota. If you would like more information, please contact dotgeneralinfo@state.sd.us.

Sincerely,

Joel Jundt
Secretary of Transportation
# General Information

Table of Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transportation Secretary's Message</td>
<td>3</td>
</tr>
<tr>
<td>Table of Contents</td>
<td>4-5</td>
</tr>
<tr>
<td>Mission and Vision and Core Values</td>
<td>6</td>
</tr>
<tr>
<td>Organization Chart</td>
<td>7</td>
</tr>
<tr>
<td>Management Contacts</td>
<td>8</td>
</tr>
<tr>
<td>Map of SDDOT Regions, Areas, and Maintenance Shops</td>
<td>9</td>
</tr>
<tr>
<td>Transportation Commission</td>
<td>10</td>
</tr>
<tr>
<td>Railroad Board and Railroad Authority</td>
<td>11</td>
</tr>
<tr>
<td>Aeronautics Authority</td>
<td>12</td>
</tr>
<tr>
<td>Participate in Transportation Decisions</td>
<td>13</td>
</tr>
<tr>
<td>Statewide Transportation Improvement Program (STIP)</td>
<td>14</td>
</tr>
</tbody>
</table>

## Safety

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Highway Fatalities by Year</td>
<td>15</td>
</tr>
<tr>
<td>Fatal Crashes by System</td>
<td>15</td>
</tr>
<tr>
<td>Seat Belt Use in South Dakota</td>
<td>16</td>
</tr>
</tbody>
</table>

## Finances

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>State Budget for Transportation</td>
<td>17</td>
</tr>
<tr>
<td>Federal, State Funds in SDDOT Budget</td>
<td>17</td>
</tr>
<tr>
<td>Highway Construction Costing More!</td>
<td>18</td>
</tr>
<tr>
<td>State Highway Fund Revenue Sources</td>
<td>18</td>
</tr>
<tr>
<td>South Dakota Average Annual Federal Formula Funds</td>
<td>19</td>
</tr>
<tr>
<td>Per-Mile Costs of Road Improvements</td>
<td>19</td>
</tr>
<tr>
<td>State Motor Fuel Tax Revenue</td>
<td>20</td>
</tr>
<tr>
<td>State Motor Vehicle 4% Excise Tax Revenue</td>
<td>20</td>
</tr>
<tr>
<td>Motor Fuel Taxes and Fees in the Neighboring States</td>
<td>21</td>
</tr>
<tr>
<td>Selected Gas Tax Statistics</td>
<td>21</td>
</tr>
<tr>
<td>Per-Mile Costs of Winter Maintenance</td>
<td>22</td>
</tr>
<tr>
<td>Winter Material and Total Maintenance Costs</td>
<td>22</td>
</tr>
<tr>
<td>Roadside Maintenance Costs</td>
<td>23</td>
</tr>
<tr>
<td>Pavement, Bridge Maintenance Costs</td>
<td>23</td>
</tr>
<tr>
<td>Interstate Maintenance Totals Per Mile</td>
<td>24</td>
</tr>
<tr>
<td>State Highway Maintenance Totals Per Mile</td>
<td>24</td>
</tr>
</tbody>
</table>
# General Information

## Table of Contents

**Highway System Statistics**
- Highway System Definitions .......................................................................................... 25
- State Highway Surface Condition Index and Goals .......................................................... 26
- Percentage of System Improved by Year ......................................................................... 26
- Excellent, Good, Fair, Poor Asphalt Concrete Roads ...................................................... 27
- The Majority of Roads in South Dakota Are Local ........................................................... 28
- The State System Carries Most of the Traffic .................................................................... 28
- State System Carries Most Heavy-Truck Traffic .............................................................. 29
- Vehicle Miles Traveled, State Highway System ............................................................... 29
- Most State Highways Are Asphalt Concrete .................................................................. 30
- Age of Asphalt Concrete Pavements on State System .................................................... 30
- Age of Portland Cement Concrete Pavements on State System ...................................... 31
- Most Local Roads Are Gravel .......................................................................................... 31
- More Vehicles Are Using State Highways ...................................................................... 32

**Economic Impact of Transportation**
- Majority of South Dakota Intrastate Freight Moves by Truck ........................................ 33
- Freight Outbound from South Dakota .............................................................................. 33
- Bigger Crop Yields, Bigger Impact on Roads .................................................................. 34
- Upper Plains Highest in Truck Through-Traffic .............................................................. 34

**Bridges**
- Age of State System Bridges .......................................................................................... 35
- SDDOT Maintains 1,819 Bridges ..................................................................................... 36

**Air, Rail, and Transit**
- Map of S.D. Communities Served by Rural Transit Providers ........................................ 37
- Rural and Urban Transit Providers .................................................................................. 38
- South Dakota Public Transit Ridership ............................................................................ 39
- Federal, State, Local Transit Funds .................................................................................. 39
- Map of Bicycle Friendly Routes in South Dakota .............................................................. 40
- Aviation Adds Millions to the South Dakota Economy ..................................................... 41
- Airport Improvement Funding in South Dakota ............................................................... 41
- South Dakota Airport Map ............................................................................................. 42
- South Dakota Rail System ............................................................................................... 43
- Map of S.D. State-Owned and Privately Owned Rail Lines ............................................... 44
- South Dakota State Rail Plan .......................................................................................... 45
- South Dakota State Rail Plan Recommended Projects Map ........................................... 46
- South Dakota Ethanol Plant and Unit Train Loading Facilities Map ............................... 47
Mission

Why We Exist: To efficiently provide a safe and effective public transportation system

Vision

What Success Looks Like: Better lives through better transportation by being the best

Core Values

Principles and Expected Behaviors that Guide our Actions and Conduct
All employees contribute to providing a high-quality transportation system by continuously striving to innovate and improve the quality of services

High Ethical Standards
Honesty, integrity, respect, and professionalism with our internal customers, partners, stakeholders, and the public

Stewardship
Innovative, efficient, and accountable use of public resources

Transparent Public Service
Exemplary trustworthy public service with unprecedented access to information and decision-making processes

Safety
Safety in all we do

Teamwork
Inclusive, diverse, innovative, and supportive work culture

Innovation
Initiate and implement new ideas or methods to create value
South Dakota
Department of Transportation

Organization Chart

Governor
Kristi Noem

Railroad Board
Railroad Authority

Secretary of Transportation
Joel Jundt

Transportation Commission
Aeronautics Commission

Intelligent Transportation Systems
Legal
Training

Finance and Management
Kellie Beck
Division Director

Planning and Engineering
Mike Behm
Division Director

Operations
Craig Smith
Division Director

Finance
Communication
Aviation Services
Air, Rail, Transit

Administration
Bridge Design
Materials and Surfacing
Project Development
Right of Way
Road Design
Inventory Management and Research

Operations Support
Civil Rights & Labor Compliance
Internal Services / Audits
Aberdeen Region
- Aberdeen Area
- Huron Area
- Watertown Area
Mitchell Region
- Mitchell Area
- Sioux Falls Area
- Yankton Area
Pierre Region
- Pierre Area
- Mobridge Area
- Winner Area
Rapid City Region
- Rapid City Area
- Bellie Fourche Area
- Custer Area
Management Contacts

Office of the Secretary
Secretary, Joel Jundt................................................................. (605) 773-5105
Human Resources Manager, Heidi Olson............................... (605) 773-6943
Chief Legal Counsel, Karla Engle........................................ (605) 773-3574
Intelligent Transportation Systems, Dave Huft......................... (605) 773-3358
Training Coordinator, Brenda Thomas.................................... (605) 773-2923

Planning and Engineering Division
Director, Mike Behm................................................................ (605) 773-2078

Program Managers
Administration, Joanne Hight.................................................. (605) 773-8149
Project Development, Mark Leiferman...................................... (605) 773-3285
Road Design, Scott Rabern...................................................... (605) 773-3433
Bridge Design, Steve Johnson.................................................. (605) 773-3285
Right of Way, Joel Gengler....................................................... (605) 773-3746
Materials and Surfacing, Tanner Fitzke.................................... (605) 773-3401
Inventory Management & Research, Thad Bauer...................... (605) 773-3278

Operations Division
Director, Craig Smith............................................................... (605) 773-3571
Operations Support, Christina Bennett..................................... (605) 773-4391
Internal Services, Chris Ott...................................................... (605) 773-3581

Region Engineers
Mitchell, Travis Dressen.......................................................... (605) 367-5680
Rapid City, Todd Seaman......................................................... (605) 394-1620
Pierre, Jason Humphrey........................................................... (605) 773-3464
Aberdeen, Mark Peterson........................................................ (605) 626-2244

Finance and Management Division
Director, Kellie Beck............................................................... (605) 773-3265
Finance, Patricia Devitt............................................................. (605) 773-3265
Strategic Communications Coord. Julie Stevenson...................... (605) 773-2898
Aviation Services, Ron Hauck.................................................. (605) 773-3434
Air, Rail and Transit, Jack Dokken......................................... (605) 773-7045
Each year, the South Dakota Transportation Commission approves the Statewide Transportation Improvement Program (STIP) which is the list of highway and bridge construction projects for the next four years. The Commission also awards construction contracts and can change speed zones on state highways. The nine members are appointed or reappointed by the Governor for four-year terms.

**Area 1**

- **Don Roby**, Watertown | (605) 753–5720 | Term Ends: April 2025
- **Lynn Jensen**, Arlington | (605) 203–3333 | Term Ends: April 2025

**Area 2**

- **Bruce Cull**, Yankton | (605) 661–0877 | Term Ends: April 2023
- **Larry Nelson**, Canton | (605) 987–2686 | Term Ends: April 2022
- **Mike Vehle**, Mitchell | (605) 996–5778 | Term Ends: April 2024

**Area 3**

- **Kathy Zander**, Pierre | (605) 222-0664 | Term Ends: April 2022
- **Vacant**

**Area 4**

- **Jaf Karim**, Rapid City | (605) 721–1384 | Term Ends: April 2023
- **Ron Rosenboom**, Sturgis | (605) 347–4467 | Term Ends: April 2024
General Information

Railroad Board and Railroad Authority

The South Dakota Railroad Board also serves as the governing members of the South Dakota Railroad Authority. The Railroad Board oversees grant approvals to the Department of Transportation in the matters of operations, management, finance, marketing, and development of the rail service over all properties and facilities acquired, leased, or controlled by the state. The Railroad Authority can acquire property and construct, maintain, and equip railroad facilities as directed by the Legislature.

The seven members are appointed by the Governor for three-year terms and can not have more than five from the same political party. At least one member, in the opinion of the Governor, shall be a person experienced in or having a favorable reputation or skill, knowledge and experience in the following fields: (1) Business management; (2) Operation of railroad service; (3) Private or public finance; (4) Marketing; (5) User of rail service; and, (6) Two members at large.

MEMBERS

Jeff Burket
At Large, Spearfish | (605) 210–1501 | Term Ends: October 2023

Greg Carmon
Operation of Rail Service, Brandon | (605) 582–3130 | Term Ends: October 2022

Jerry Cope
A user of Rail Service, Rapid City| (605) 381–1981 | Term Ends: October 2022

Gary Doering
Public or Private Finance, Cavour | (605) 354–1061 | Term Ends: October 2022

Jon Kirby
At Large, Sioux Falls | (605) 370–0100 | Term Ends: October 2022

Jack Nelson
Marketing, Volga | (605) 695–6800 | Term Ends: October 2023

Steve Scharnweber
Business Manager, Pierre | (605) 222–1545 | Term Ends: October 2023
The South Dakota Aeronautics Commission is comprised of seven members that are appointed or reappointed by the Governor for three-year terms. At least four of the members must have at least one year of practical experience in civil or military aeronautics. The Commission is responsible for the supervision of all civil aeronautical functions in the state as well as allocating funds for the development of a statewide system of airports.

**MEMBERS**

**Christopher Funk**  
Madison | (605) 270–9774 | Term Ends: October 2024

**Robert “Bob” Huggins**  
Sioux Falls | (605) 354–2287 | Term Ends: October 2023

**Rolf Johnson**  
Mina | (605) 229–3859 | Term Ends: October 2024

**Dave Luers**  
Pierre | (605) 222-6337 | Term Ends: October 2022

**Kassidy Nelson**  
Aberdeen | (605) 695–2287 | Term Ends: October 2022

**Eric Odenbach**  
Eureka | (605) 228–3262 | Term Ends: October 2024

**Gerald “Jerry” Rieber**  
Watertown | (615) 880–9750 | Term Ends: October 2022
Regular Meetings
Transportation Commission, Aeronautics Commission, Railroad Board, and Railroad Authority meetings are open to the public.

Transportation Commission
Transportation Commission meetings are held on the fourth Thursday of the month in the Becker-Hansen Building, 700 E. Broadway Ave., Pierre. Agendas and minutes are at https://boardsandcommissions.sd.gov/Meetings.aspx?BoardID=96#. Additional meetings are sometimes scheduled to award bids or for special issues.

Aeronautics Commission
Aeronautics Commission meetings are held on the third Thursday of each month, in the Becker-Hansen Building in Pierre. Aeronautics Commission agendas and minutes are at: https://boardsandcommissions.sd.gov/Meetings.aspx?BoardID=5.

Railroad Board, Railroad Authority
Railroad Board meetings are held every third Wednesday of each month, in the Becker-Hansen Building in Pierre. Railroad Authority meetings are rare and held as needed. Railroad Board and Authority agendas and minutes are at: https://boardsandcommissions.sd.gov/Meetings.aspx?BoardID=88.

Questions about the boards or commissions?
Contact the Secretary of Transportation Office at (605) 773-5105.

Statewide Transportation Improvement Program Meetings
South Dakotans can comment on projects planned in their geographic areas at Statewide Transportation Improvement Program (STIP) meetings held in July in the four SDDOT Regions and in a live webinar. The STIP is the schedule of SDDOT construction and maintenance projects for the next four years. Go to www.dot.sd.gov in early summer for the STIP meeting dates.

Project Meetings
Open-house meetings are held during the planning process of some road and bridge projects. For the schedule, go to: https://dot.sd.gov/projects-studies/projects/public-meetings.
Statewide Transportation Improvement Program (STIP) Process

Needs analysis, freight, performance and asset management, planning considerations:
- Economic vitality, competitiveness, productivity and efficiency
- System safety and security, financial plan
- Environment, energy conservation, quality of life
- Accessibility and mobility of people and freight
- Planned growth and economic development patterns
- Modal integration and connectivity for people and freight
- Preservation of the existing transportation system
- Tribal concerns, resiliency and reliability
- Efficient system management and operation
- Other state and local transportation systems
- Stormwater impacts, travel and tourism

Potential projects:
- State highway projects
- State rail projects
- State airport projects
- Public transportation projects
- Multimodal freight projects
- Indian Res. Road projects
- Federal lands projects
- Transportation Alternatives projects
- County projects
- City projects
- Safety projects

Long-range planning considerations

Executive Management Team

Consultation:
- MPOs
- Tribes
- Nonmetro officials

Other input groups:
- State residents
- Public agencies
- Transportation agency employees
- Providers
- Tribal governments
- Planning districts
- Federal agencies
- Bureau of Indian Affairs

Appointed input groups:
- Transportation Commission
- Aeronautics Commission
- Railroad Board
- Scenic Byways Committee
- Transportation Alternatives Selection Committee
- Transportation Advisory Council

Public Input

Executive Management Team

Transportation Commission

Project Development

STIP
Highway Fatalities by Year

Source: Office of Highway Safety, South Dakota Department of Public Safety.

Fatal Crashes by System (2021)

Source: Office of Highway Safety, South Dakota Department of Public Safety.
Percent of state residents wearing seat belts

Source: Office of Highway Safety, South Dakota Department of Public Safety.

Seat Belt Use in Fatal Crashes

*These figures do not include drivers and passengers of Motorcycles, Mopeds, ATV's and Snowmobiles.

Source: Office of Highway Safety, South Dakota Department of Public Safety.
Transportation is 14% of FY 2022 State Budget

Transportation Funding
$704 Million
13.8% of total state budget*

Other Agencies
$4.4 Billion
86.2% of total state budget*

*Total state budget includes state general funds, federal funds and other funds.

Source: Division of Finance and Management, April 2022. Figures are legislatively appropriated amounts.

Federal, State Funds in FY 22 SDDOT Budget

State Highway Fund
$305.1 Million
43.4%

Federal Funding
$389.8 Million
55.4%

Other
$ 8.60 Million
1.2%

Total SDDOT Funding = $703.5 Million

Source: Division of Finance and Management, April 2022. Figures are legislatively appropriated amounts.
Highway Construction Costing More!

Due to inflation, construction costs have more than doubled from 2005 to 2022. Using the SDDOT Construction Cost Index, what cost $1.00 in 2005 is now $2.15 in 2022.*

Even though both Federal and State funds have increased, the SDDOT can buy 11% less in 2022 than in 2005 because of construction inflation.**

*Based on the SDDOT Construction Cost Index
**Based on the SDDOT Construction Cost Index and State and Apportioned Federal Funding. Unknown Federal Grants and August Redistribution are not included.

FY 2021 State Highway Fund Revenue Sources

- **State Motor Fuel Tax**: $178.1 Million (49%)
- **Motor Vehicle Excise Tax**: $148.0 Million (41%)
- **Includes port of entry fees, prorate commercial license fees, overweight permits and miscellaneous revenues**: $37.7 Million (10%)

**State Highway Fund Total**: $363.8 million

Source: Division of Finance and Management, actual revenue received.
S.D. Average Annual Federal Formula Funds

Per-Mile Costs of Road Improvements

- **$7.0 million**
  - 5-lane urban highway: portland cement concrete reconstruction, grading, drainage

- **$5.0 million**
  - 4-lane Interstate highway: remove and replace portland cement concrete surfacing

- **$1.9 million**
  - 2-lane primary highway: asphalt concrete reconstruction, grading and drainage

- **$0.25 million**
  - 24-foot-wide asphalt concrete road: mill and place 2-inch thick asphalt concrete overlay. Overlays placed on pavements in good condition can last from 12 to 18 years.

Source: Office of Project Development, 2021 data.

Source: Office of Project Development. All amounts are based on validated apportioned funding, except for 2023-2026, which is based on BIL estimates.
State Motor Fuel Tax Revenue

Actual $ in millions

Source: Division of Finance and Management.

State Motor Vehicle 4% Excise Tax Revenue

Actual $ in millions

Source: Division of Finance and Management.
Motor Fuel Taxes & Fees in Neighboring States

<table>
<thead>
<tr>
<th>State</th>
<th>Gas</th>
<th>Gasahol</th>
<th>Diesel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minnesota</td>
<td>28.6</td>
<td>28.6</td>
<td>28.6</td>
</tr>
<tr>
<td>Montana</td>
<td>32.5</td>
<td>32.5</td>
<td>29.5</td>
</tr>
<tr>
<td>Nebraska</td>
<td>25.7</td>
<td>25.7</td>
<td>25.1</td>
</tr>
<tr>
<td>Wyoming</td>
<td>24.0</td>
<td>24.0</td>
<td>24.0</td>
</tr>
<tr>
<td>North Dakota</td>
<td>23.0</td>
<td>23.0</td>
<td>23.0</td>
</tr>
<tr>
<td>South Dakota</td>
<td>30.0</td>
<td>16.0</td>
<td>30.0</td>
</tr>
<tr>
<td>Iowa</td>
<td>30.0</td>
<td>30.0</td>
<td>32.5</td>
</tr>
<tr>
<td>Federal</td>
<td>18.4</td>
<td>18.4</td>
<td>24.4</td>
</tr>
<tr>
<td>U.S. Average</td>
<td>38.69</td>
<td>-</td>
<td>20.24</td>
</tr>
</tbody>
</table>

In cents


Selected Gas Tax Statistics

State Motor Fuel Tax: $178 Million

Motor Vehicle Excise Tax: $148 Million

Includes port of entry fees prorated commercial license fees, overweight permits and miscellaneous revenues: $38 Million

State Highway Fund: $364 Million

Source: Division of Finance and Management.
**Per-Mile Costs of Winter Maintenance, FY 21**

Interstates: $2,938 per mile  
Other state-owned highways: $1,937 per mile

**Winter Material and Total Maintenance Costs**

<table>
<thead>
<tr>
<th>Maintenance Materials 2021-2022</th>
<th>Recent winter totals</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Amount</strong></td>
<td><strong>Cost $</strong></td>
</tr>
<tr>
<td>Diesel Fuel</td>
<td>1,508,227 GL</td>
</tr>
<tr>
<td>Salt</td>
<td>92,278 TN</td>
</tr>
<tr>
<td>Abrasives</td>
<td>9,267 TN</td>
</tr>
<tr>
<td>Magnesium Chloride*</td>
<td>336,681 GL</td>
</tr>
<tr>
<td>Brine**</td>
<td>2,664,442 GL</td>
</tr>
</tbody>
</table>

*Magnesium chloride is applied in liquid form as a de-icer. It is effective at lower temperatures than salt.

**Brine is a mixture of salt and water spread on highways as a de-icer. Use of salt or magnesium chloride depends on weather conditions.

Source: Offices of Internal Services and Operations Support.

Photo: Rapid City Region winter maintenance crew
Roadside Maintenance Costs in FY 21

Interstates: $3,351 per mile
Other state-owned highways: $2,447 per mile

Includes mowing, maintenance project engineering, project materials, shoulder repairs, work on signs, drainage, striping, rest area upkeep, erosion control structures, and administrative costs for the Region and Area offices.

Pavement, Bridge Maintenance Costs in FY 21

Interstates: $1,639 per mile
Other-state owned highways: $1,631 per mile

Pavement and bridge maintenance includes pothole patching and crack treating of asphalt concrete, isolated portland cement concrete surface repairs, bridge maintenance engineering, bridge hit assessments, regular bridge inspections, concrete bridge surface repairs, bridge structural repairs and bridge engineering data collection.
Interstate Maintenance Totals $8,987/Mile/Year

On Other State Highways, It's $5,810/Mile/Year

The State Highway Fund pays for mowing grass, plowing, filling potholes, and other routine maintenance. Federal funding cannot be used for these purposes.
State Trunk Highway System
is comprised of the 7,720 miles of state-owned highways listed in South Dakota Codified Law. These include 679 miles of Interstate highways in South Dakota, 2,469 miles designated as U.S. highways in South Dakota and the 4,572 miles designated as South Dakota state highways.

State Highway System
includes the State Trunk Highway System, plus 31 miles of state-owned roads not on the State Trunk Highway System¹, and 42 miles of roads neither state-owned nor on the State Trunk Highway System². The total is 7,793 miles.

National Highway System
is a total of 3,695 miles of the Interstate system, some U.S. highways and South Dakota state highways are designated as part of the National Highway System due to their importance to the nation’s economy, defense and mobility.

Federal-Aid Highway System
is comprised of the Interstates, U.S. highways, most South Dakota state highways and some local roads are part of the Federal-Aid Highway System, meaning federal funds can be used to resurface, reconstruct and expand these routes.

¹ Most of these 31 miles are short spur and loop routes owned by the state and included in the state mileage certified by the Federal Highway Administration (FHWA).

² These 42 miles are routes that are part of the state’s FHWA-certified mileage but located on U.S. government land, including Badlands National Park, Wind Cave National Park and Mount Rushmore National Monument.

Source: Office of Transportation Inventory Management, 2020 data.
26% of system was improved in 2021, including chip seal, routing & sealing, safety, signage and resurfacing projects.

Source: SDDOT Office of Project Development, STIP data using center-line miles.
Excellent
Smooth pavement with no rutting and no cracking

Good
Visible, light traffic wear, with limited, narrow crosswise and lengthwise cracking

Fair
Slight rutting, increasing aggregate loss, increasing width and extent of cracks

Poor
Deteriorated patching, extensive lengthwise and crosswise cracking, moderate rutting
The Majority of Roads in S.D. Area Local

The State System Carries Most of the Traffic

Source: Office of Transportation Inventory Management, 2020 data.
State System Carries Most Heavy-Truck Traffic

Source: Office of Transportation Inventory Management, 2020 data.

Vehicle Miles Traveled, State Highway System

Vehicle miles traveled (VMT) in billions

Source: Office of Transportation Inventory Management, 2020 data.
Most State Highways Are Asphalt Concrete

- 83% of total road miles (6,456 miles)
- Portland cement concrete: 16% (1,256 miles)
- Gravel and brick: Less than 1% (81 miles)

Source: Office of Transportation Inventory Management, 2020 data.

Age of Asphalt Concrete Pavements on State System

Average age of State Highway System asphalt concrete pavement is 9.3 years

- 0-5 years: 31% (2,125 miles)
- 11-15 years: 24% (1,627 miles)
- 16-20 years: 12% (838 miles)
- >20 years: 5% (316 miles)
- 6-10 years: 29% (1,984 miles)

Source: Office of Project Development, 2021 data.
Age of Portland Cement Concrete Pavements

The average age of State Highway System portland concrete pavement is 16.9 years.

Most Local Roads Are Gravel

Source: Office of Project Development, 2021 data.

Source: Office of Transportation Inventory Management, 2020 data.
This specially equipped road and pavement data collection vehicle travels about 90% of the State Highway System each year, measuring roughness and recording roadway and pavement images.

More Vehicles Are Using State Highways

![Bar chart showing vehicle usage on state highways over several years. The chart includes data for passenger cars, pickups, SUVs, vans, and recreational vehicles, as well as commercial vehicles. No specific values are provided.]

Source: South Dakota Department of Revenue, Division of Motor Vehicles.
89.2% of S.D. Intrastate Freight Moves by Truck

### Intrastate tonnage projected to grow 38% on highways; outbound on rail by 30% growth

<table>
<thead>
<tr>
<th>Domestic Mode</th>
<th>2020 Within SD</th>
<th>2050 Forecast Within SD</th>
<th>2020 Outbound</th>
<th>2050 Forecast Outbound</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic Only</td>
<td>m/tons %</td>
<td>m/tons %</td>
<td>m/tons %</td>
<td>m/tons %</td>
</tr>
<tr>
<td>Truck</td>
<td>87,150.8 100.0%</td>
<td>119,119.6 100.0%</td>
<td>61,521.4 97.4%</td>
<td>88,032.2 96.0%</td>
</tr>
<tr>
<td>Rail</td>
<td>7,351.0 8.4%</td>
<td>8,259.6 6.9%</td>
<td>10,449.0 16.5%</td>
<td>13,648.7 14.9%</td>
</tr>
<tr>
<td>Pipeline</td>
<td>1,731.3 2.0%</td>
<td>2,420.6 2.0%</td>
<td>19,815.4 31.4%</td>
<td>30,084.0 32.8%</td>
</tr>
<tr>
<td>Multiple modes &amp; mail</td>
<td>348.5 0.4%</td>
<td>535.8 0.4%</td>
<td>7,194.7 11.4%</td>
<td>9,040.0 9.9%</td>
</tr>
<tr>
<td>Air (include truck-air)</td>
<td>0.0 0.0%</td>
<td>0.0 0.0%</td>
<td>0.0 0.0%</td>
<td>0.0 0.0%</td>
</tr>
</tbody>
</table>

Source: Shipments Within, Outbound, and Inbound U.S. States - Value by Commodity: 2020
Data from the Freight Analysis Framework Version 5.2, including projections
Unit of measure is million tons

- Outbound: Outbound flow from South Dakota to all other states (not including Within)
- Inbound: Inbound flow all other states to South Dakota (not including Within)

$29.2 Billion in Freight Outbound from S.D. in ’20

<table>
<thead>
<tr>
<th>2020 SD Outbound Freight in millions of $</th>
<th>2020 SD Inbound Freight in millions of $</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coal-n.e.c.</td>
<td>Coal-n.e.c.</td>
</tr>
<tr>
<td>3,880</td>
<td>4,257</td>
</tr>
<tr>
<td>Cereal grains</td>
<td>Mixed freight</td>
</tr>
<tr>
<td>2,812</td>
<td>3,931</td>
</tr>
<tr>
<td>Other ag prod.</td>
<td>Machinery</td>
</tr>
<tr>
<td>2,373</td>
<td>2,306</td>
</tr>
<tr>
<td>Machinery</td>
<td>Pharmaceuticals</td>
</tr>
<tr>
<td>1,933</td>
<td>2,112</td>
</tr>
<tr>
<td>Plastics/rubber</td>
<td>Motorized vehicles</td>
</tr>
<tr>
<td>1,762</td>
<td>2,049</td>
</tr>
<tr>
<td>Electronics</td>
<td>Electronics</td>
</tr>
<tr>
<td>1,706</td>
<td>1,695</td>
</tr>
<tr>
<td>Other foodstuffs</td>
<td>Plastics/rubber</td>
</tr>
<tr>
<td>1,699</td>
<td>1,406</td>
</tr>
<tr>
<td>Gasoline</td>
<td>Chemical prod.</td>
</tr>
<tr>
<td>1,668</td>
<td>1,266</td>
</tr>
<tr>
<td>Mixed freight</td>
<td>Live animals/fish</td>
</tr>
<tr>
<td>1,564</td>
<td>1,223</td>
</tr>
<tr>
<td>Meat/seafood</td>
<td>Misc. mfg. prod.</td>
</tr>
<tr>
<td>1,214</td>
<td>1,166</td>
</tr>
<tr>
<td>All Others</td>
<td>All Others</td>
</tr>
<tr>
<td>8,601</td>
<td>10,532</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>Total</strong></td>
</tr>
<tr>
<td><strong>29,213</strong></td>
<td><strong>31,941</strong></td>
</tr>
</tbody>
</table>

Source: Shipments Within, Outbound, and Inbound U.S. States - Value by Commodity: 2020
Data from the Freight Analysis Framework Version 5.2, including projections
Unit of measure is million U.S. dollars (2017 constant $)
Outbound: Outbound flow from South Dakota to all other states (not including Within)
Inbound: Inbound flow all other states to South Dakota (not including Within)
Economic Impact of Transportation

Bigger Crop Yields, Bigger Impact on Roads

Bushels of corn harvested in South Dakota, in millions

Upper Plains Highest in Truck Through-Traffic

2020 Domestic Flows by Truck - All Commodities - South Dakota excluded from Origin-Destination.
Source from the Freight Analysis Framework Version 5.2.
Bridges

Age of State Highway System Bridges

Decade of Original Construction for Structures Currently on the State Highway System

Source: SDDOT Office of Bridge Design, 2022 National Bridge Inventory data.

Photo: Bridge construction began on the new Pierre-Fort Pierre Bridge in 2021.
There are 1,819 Bridges on the State Highway System

- The majority of state-owned bridges are inspected once every two years, as required by the federal National Bridge Inspection Standards (NBIS).
- Nine bridges are inspected yearly, including six over the Missouri River.
- The Federal Highway Administration allows South Dakota to inspect certain low-risk state-owned structures, such as reinforced concrete box culverts and concrete rigid frame bridges, once every four years.
- The SDDOT checks all elements required by the NBIS, plus additional elements not required by the NBIS.
- The SDDOT also is responsible for ensuring that bridges owned by South Dakota's local governments are inspected regularly and in accordance with the NBIS, usually by private engineering companies.
Rural and Urban Transit Providers

Aberdeen Ride Line | 605-626-3333
Serves Aberdeen and Brown County; as requested in country and smaller communities within 2.5 miles of Aberdeen City limits

Brandon City Transit | 605-256-6518
Serves City of Brandon

Brookings Area Transit Authority | 605-692-5416
Serves Brookings, Aurora, Volga, Sinai, Bruce, Bushnell, White, Esteline, Elkton, Arlington and Brookings and Hutchingson counties

Community Transit of Watertown | Sisseton | 605-882-5287 | 605-698-7511 | 605-397-8661 | 605-472-1552
Serves Watertown, Sisseton, Webster, Redfield, Groton, Milbank, Britton, Lennox, Faulkton, and Grant, Roberts, Faulk, Campbell, McPherson, Edmunds, Codkaington, Spink, and part of Brown counties

East Dakota Transit | 605-256-6518
Serves Madison and Lake County

Palace Transit | 605-995-8440
Serves Mitchell and Davison County; service in the country and smaller communities is provided upon request

People's Transit | 605-353-0100
Serves Beadle county

Prairie Hills Transit | 605-642-6613
Serves Lawrence, Meade, Custer, Fall River, Butte Communities and Pennington County, as well as Lemmon and limited service for Bison and Faith

Rapid Transit System | 605-394-6631
Serves Rapid City

River Cities Public Transit | 605-945-3166
Serves Hughes, Stanley, Hand, Hyde, Dewey, Ziebach, Haakon, East Pennington, Jones, Lyman, and northern Jackson counties and surrounding area

Rural Office of Community Services | 605-487-7635
Serves Beresford, Canton, Wessington Springs, Tripp, Winner and Aurora, Bon Homme, Brule, Charles Mix, Gregory, Jerald, McCook, and Turner counties

Sioux Area Metro | 605-367-7151
Serves Sioux Falls

Standing Rock Transportation | 701-854-8090
Serves Corson and Walworth Counties in South Dakota and Sioux, Morton, and Burleigh Counties in North Dakota

Vermillion Public Transit | 605-624-7433
Serves Vermillion, Burbank, Meckling and the surrounding area

Yankton Transit | 605-668-4610
Serves the City of Yankton and Yankton County

*Most providers do out of town trips to larger communities.
South Dakota Public Transit Ridership

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Urban Public Transit</th>
<th>Rural Public Transit</th>
<th>Specialized Transit</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY 21</td>
<td>1,994,493</td>
<td>1,126,362</td>
<td>40,055</td>
</tr>
<tr>
<td>FY 20</td>
<td>1,398,911</td>
<td>875,827</td>
<td>79,445</td>
</tr>
<tr>
<td>FY 19</td>
<td>1,339,578</td>
<td>1,331,346</td>
<td>155,423</td>
</tr>
<tr>
<td>FY 18</td>
<td>1,431,321</td>
<td>1,333,803</td>
<td>199,338</td>
</tr>
</tbody>
</table>

* Unaudited numbers


2021 Federal, State, Local Transit Funds

- Federal Funds Expended: $13,959,811 (79%)
- Local Funding: $1,897,104 (11%)
- Fares: $1,866,409 (10%)

There was no State funding awarded for FY2021 due to the timing of grants. Local Funding is also lower due to no local match required for CARES Act funding.

Source: Office of Public Transit, FFY 2021 NTD data.
Bicycle Friendly Routes and Average Daily Traffic (ADT)

Legend
- Bicycle Friendly ADT =< 1000
- Not Friendly ADT =< 1000
- Bicycle Friendly ADT between 1001 and 3000
- Not Friendly ADT between 1001 and 3000
- Bicycle Friendly ADT between 3001 and 5000
- Not Friendly ADT between 3001 and 5000
- Bicycle Friendly ADT more than 5000
- Not Friendly ADT more than 5000

Hospital Locations

Bicycle friendly routes have paved shoulders greater than 3 feet wide, 3 feet wide narrows, or curb and strip. Not friendly routes have available shoulder width less than 3 feet, may be unpaved and may or may not contain rumble strips.
Aviation Adds $907 Million to S.D. Economy

In conjunction with the 2020 SDSASP, the 2020 Aviation Economic Impact Study (AEIS) was conducted to quantify and document the economic impact generated and supported by the system airports on an annual basis. Airports drive economic activity by providing linkages between businesses, customers, suppliers, goods, visitors, and more. These impacts are generated by on-airport activities such as aircraft operations, business tenants, and capital construction, and off-airport activities such as visitor spending. Considering the direct and multiplier impacts of these activities, it is estimated that South Dakota’s aviation system generates approximately $907 million in economic impact on an annual basis.

Source: South Dakota State Aviation System Plan 2020.

2021 Airport Improvement Funding in S.D.

South Dakota received $64 million in Federal Funding. Due to COVID, there were no required State or Local match. The funding received was used for Airport Improvements and COVID relief operations.

Source: Office of Aeronautics, FFY 2021 data.
The South Dakota Rail System

Of South Dakota’s 1,965 miles of operating railroad tracks:
• BNSF Railway owns about half, or 900 miles;
• The Rapid City, Pierre & Eastern Railroad owns 578 miles, about a third;
• The state owns 147 operating miles (27 more are inactive), leased to various railroads; and,
• Short-line and other railroad operators own the remainder.

The Federal Railroad Administration, part of the U.S. Department of Transportation regulates rail service in the United States, not individual states.

The Surface Transportation Board, an independent agency, is responsible for resolving railroad rate and service disputes and reviewing proposed railroad mergers.

Photo: MRC after construction
South Dakota State Rail Plan

The 2014 State Rail Plan has Twenty-four recommended rail improvement projects directly benefiting East River shippers. Six projects would directly benefit West River shippers. Completion of East River projects also would ensure access for West River shippers to a Class 1 freight rail lines. Active projects are highlighted in blue type. Completed projects are in black boldface type. The State is currently working on the 2022 State Rail Plan. Please visit the site SDDOT State Rail Plan & Investment Guide (southdakotasrp.com).

**Efficiency/chokepoint projects**

1. Wolsey interchange $1,750,000
2. Napa-Platte interchange $1,750,000
3. Mitchell-Rapid City (MRC) passing siding $1,750,000
4. MRC—reconstruct wye in Chamberlain $650,000
5. Sioux Valley subdivision meet-and-pass siding $1,750,000
6. Sioux City interchange $3,500,000
7. MRC northbound BNSF connection $8,200,000
8. RCPE railyard near Huron $16,000,000
9. **RCPE siding near Huron $1,334,567**
10. **RCPE siding near Aurora $916,984**
11. Mankato, Minn., wye $2,000,000

**Operator**
- Rapid City, Pierre & Eastern Railroad (RCPE)
- Dakota Southern Railway
- Dakota Southern Railway
- Dakota Southern Railway
- Dakota and Iowa Railroad
- Dakota and Iowa Railroad
- Multiple railroads
- Dakota Southern Railway
- RCPE
- RCPE
- RCPE
- Dakota Southern Railway
- RCPE
- RCPE
- RCPE
- Dakota Southern Railway
- Dakota and Iowa Railroad

**Owner**
- State
- State
- State
- State
- State
- Mult.
- State
- RCPE
- RCPE
- RCPE
- RCPE
- RCPE
- RCPE
- RCPE
- SMRR
- State
- State
- State
- State
- RCPE
- RCPE
- RCPE
- RCPE

**Bridge Capacity Projects**

12. Napa to Platte mainline $2,500,000
13. Huron to Yale bridge upgrade $2,000,000
14. **Sioux Valley bridge rehabilitation $6,000,925**

**Operator**
- Dakota Southern Railway
- RCPE
- Dakota and Iowa Railroad
- RCPE
- RCPE
- RCPE

**Owner**
- State
- State
- State
- RCPE
- RCPE
- RCPE

**Track Condition Projects**

15. Britton line rail relay, wye and switch $7,311,047
16. **MRC west of Chamberlain, Phase 2 $36,539,801**
17. Sioux Valley relocation $6,639,917
18. Sisseton Milbank Railroad $23,000,000
19. Napa to Platte mainline reconstruction $25,000,000
20. Redfield to Mansfield line upgrade $14,500,000
21. Huron to Yale line upgrade $6,000,000
22. Sioux Valley subdivision rail upgrade $6,000,000
23. Pierre to Rapid City track upgrade $105,000,000
24. Rapid City to Dakota junction track $40,000,000

**Operator**
- Dakota, Missouri Valley and Western Railroad
- Dakota Southern Railway
- Dakota and Iowa Railroad
- Sisseton Milbank Railroad (SMRR)
- Dakota Southern Railway
- RCPE
- RCPE
- Dakota Southern Railway
- RCPE
- RCPE
- Dakota and Iowa Railroad
- RCPE
- RCPE
- RCPE
- Dakota Southern Railroad
- Dakota and Iowa Railroad
- RCPE
- RCPE
- RCPE
- BNSF Railway
- RCPE
- D&I

**Owner**
- State
- State
- State
- SMRR
- State
- RCPE
- State
- RCPE
- State
- RCPE
- RCPE
- RCPE
- State
- SMRR
- State
- RCPE
- BNSF
- RCPE
- D&I

**Safety Condition Projects**

25. Brookings, 22nd Street grade crossing $500,000

**Operator**
- RCPE

**Owner**
- RCPE

**Industrial park development projects**

26. Intermodal yard at Sherman $75,000,000
27. Belle Fourche transloading facility $6,000,000
28. D&I Railroad Mainline Rail Replacement & Crossing Improvement $4,990,948.00.
29. Ellis & Eastern RR Rehabilitation of three Bridges $4,899,400.
30. Ringneck & Western RR build sidings to a locomotive repair shop $2,998,348.39.

**Operator**
- BNSF Railway
- RCPE
- D&I

**Owner**
- BNSF
- RCPE
- D&I
- Ellis & Eastern
- Ringneck & Western
- Ringneck & Western
The South Dakota Department of Transportation provides services without regard to race, color, gender, religion, national origin, age or disability, according to the provisions contained in SDCL 20-13, Title VI of the Civil Rights Act of 1964, the Rehabilitation Act of 1973, as amended, the Americans with Disabilities Act of 1990 and Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, 1994. Anyone with questions concerning this policy or who believes he or she has been discriminated against should contact the SDDOT Civil Rights Office at (605) 773-3540.

This publication was prepared by:

South Dakota Department of Transportation
Division of Finance and Management
Becker-Hansen Building
700 E. Broadway Ave.
Pierre, SD 57501-2586
(605) 773-3265

The South Dakota Department of Transportation provides services without regard to race, color, gender, religion, national origin, age or disability, according to the provisions contained in SDCL 20-13, Title VI of the Civil Rights Act of 1964, the Rehabilitation Act of 1973, as amended, the Americans with Disabilities Act of 1990 and Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, 1994. Anyone with questions concerning this policy or who believes he or she has been discriminated against should contact the SDDOT Civil Rights Office at (605) 773-3540.

250 copies of this document were printed by Quality Quick Print (QQP), for $2.74 each ($686 total).