

Chapter 2

TEAAS and Safety Data



Crash Data

- TEAAS contains information on all reported crashes in North Carolina since January 1, 1990
- Each year there are approximately 225,000 reportable crashes added to TEAAS
- There is approximately a 30-day backlog in the manual data entry of crash data, and approximately a 1 week backlog for electronically submitted data (TRaCS, etc.)

Crash Data

A reportable crash is a crash where:

- A fatality occurred
- A non-fatal injury occurred
- Property damage of at least \$1,000 occurred
- A seized vehicle was damaged (any amount)

§ 20-4.01 (33b)

http://www.ncleg.net/enactedlegislation/statutes/html/bysection/chapter_20/gs_20-4.01.html

Crash Data

There are 3 levels of crash data:

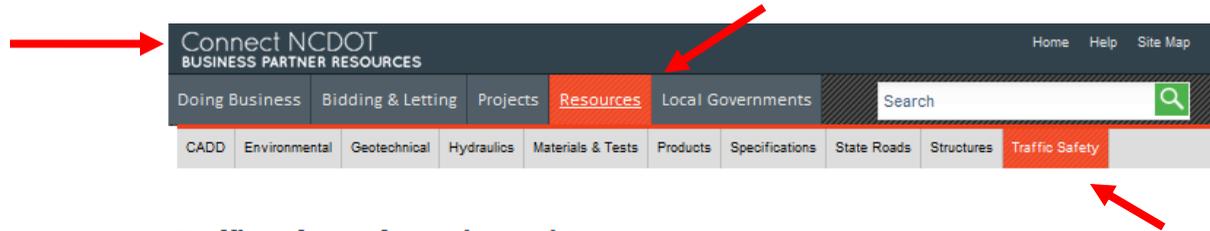
- Crash level - data specific to the crash regardless of units or persons involved (such as location, time of day, weather conditions, etc.)
- Unit level - data specific to each individual unit regardless of the persons in that unit (such as speed, vehicle type, vehicle maneuver, etc.)
- Person level - data specific to each individual (such as age, race, gender, injury, etc.)

Note that TEAAS contains mostly crash level information. You will need to contact NCDOT's Traffic Safety Unit for unit level or person level information!

Ordinance Data

- TEAAS contains information on ordinances for all State Highway System roads in North Carolina since September 30, 1955
- There are approximately 1,200 ordinances enacted, and approximately 500 ordinances rescinded, each year
- There are approximately 38,000 active ordinances currently in TEAAS

Traffic Safety Information



Traffic Safety Information and Resources

Programs, projects, crash data, policies and other safety resources for North Carolina.

Resources > Traffic Safety

Crash Data and Maps

Crash data, organized by type, ranking, overall cost, and maps and other resources for analysis.

[Read More](#) →

Highway Safety Programs and Projects

Information about programs and projects designed to improve safety on North Carolina's roadways.

[Read More](#) →

Ordinances

Information regarding traffic ordinances, including speed limits, parking restrictions and other rules.

[Read More](#) →

Route Changes

Proposed route changes, rules, criteria and resources for requesting a route change.

[Read More](#) →

Traffic Data

Contractor Resources, Volume Class, Turning Movement, Workstream Information

[Read More](#) →

Traffic Engineering Accident Analysis System (TEAAS)

Resources and information for this crash analysis software, which is free for government agencies to download and use.

[Read More](#) →

Traffic Engineering Policies, Practices and Legal Authority

Policies, documentation and information for traffic engineering.

Employee Directory

Staff contacts for *Transportation Safety and Mobility*.

Location

[Mobility and Safety Greenfield Parkway Office Directions](#)

Traffic Safety Resources

- [Manual on Uniform Traffic Control Devices\(MUTCD\).aspx](#)
- [2009 NC Supplement to MUTCD.pdf](#)
- [Standard Highway Signs - SHS.aspx](#)
- [Cable Median Barrier - AASHTO TIG CMB.aspx](#)
- [TIMS- Traveler Information Management System.aspx](#)
- [Special Events.aspx](#)
- [Bridge Documents.aspx](#)
- [Farm Equipment Authorization.aspx](#)
- [Webinar Request.aspx](#)
- [Field Operations Regions](#)
- [Citizen Action Request System \(CARS\).aspx](#)

<https://connect.ncdot.gov/resources/safety/Pages/default.aspx>

Crash Related Information

- Crash Rates
- Comprehensive Crash Costs
- Crash Facts
- County Crash Profiles
- City/County Rankings
- Holiday Crash Data
- Animal Crash Data
- TAD Vehicle Damage Assessment Manual
- Roadside Safety Devices (Guide to Estimating Damage Costs)
- Alcohol Crash Maps
- High Frequency Crash Location (HFCL) Maps
- Safety Project Evaluations
- Crash Reduction Factors and Project Development Guide
- Highway Safety Improvement Program (HSIP)
- Active Spot Safety Projects

Crash Identification and Mitigation

- Safety Planning - reviewing projects from a safety perspective
- Fatal Investigations - analyzing and investigating locations where fatalities occur
- Highway Safety Improvement Program (HSIP) - identifying and analyzing locations that meet minimum safety warranting criteria
- Evaluations - reviewing countermeasures to determine their effectiveness
- Road Safety Reviews - objective team review of roads meeting minimum crash criteria

Safety and Mobility Information

- North Carolina Truck Network (NCTN)
- Truck restrictions
- STAA Applications (reasonable access and designation)
- Traffic Data (turning movements, volume/class, etc.)
- Ordinance Packages and Policies
- Route Changes
- TEAAS Resources (helpful links and other related information)
- TEAAS Training Information (dates, locations, and material)
- Mileposting Resources (guidelines, worksheets, etc.)
- Records Retention Information

Review

- How many crashes are added to TEAAS annually?
- How far back does TEAAS crash data go?
- How many active ordinances are in TEAAS?
- How many levels of crash data are there?
- What defines a reportable crash?

Review

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**Fatality, injury, \$1,000 or more in damages, or
a seized vehicle was damaged**

TEAAS Crash Information

Connect NCDOT
BUSINESS PARTNER RESOURCES

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CADD Environmental Geotechnical Hydraulics Materials & Tests Products Specifications State Roads Structures **Traffic Safety**

Traffic Engineering Accident Analysis System (TEAAS)

Resources and information for this crash analysis software, which is free for government agencies to download and use.

Resources ► Traffic Safety ► Traffic Engineering Accident Analysis System (TEAAS)

TEAAS – Traffic Engineering Accident Analysis System

TEAAS crash data is now available through October 2012

The Traffic Engineering Accident Analysis System (TEAAS) is a crash analysis software system downloadable from the internet and available free of charge to state government personnel, municipalities, law enforcement agencies, planning organizations, and research entities. TEAAS contains information on all reportable traffic crashes occurring in North Carolina since 1990. It also contains all ordinance information for all state-maintained roads and highways.

Employee Directory
Staff contacts for *Transportation Safety and Mobility*.

Related Content

[TEAAS Resources and Information](#)
Mileposting, TEAAS Links



<https://connect.ncdot.gov/resources/safety/Pages/TEAAS-Crash-Data-System.aspx>