

What data source(s) do you use?

For example: CDOT, DRCOG, Police data from jurisdiction, geocoded data through a vendor; a combination of sources.

CDOT

**CDOT Data
(Consultant
Access)**

**Geocoded
through
vendor**

**Police data
from local
jurisdiction**

FARS

**DRCOG,
FARS**

CDOT

https://tableau.state.co.us/t/CDOT/views/CDOTCrashSummaryAVt/estver2_0/PerformanceTracking?%3Aorigin=card_share_link&%3Aembed=y&%3AisGuestRedirectFromVizportal=y

**DiExSys -
CDOT
data**

**DRCOG most
often or shift
foundation
labs for
demographic
type data**

**CDOT - I send a
request to CDOT
twice per year and
then receive it in
spreadsheet form.**

**DRCOG,
CDOT,
Local data**

**Traffic
Engineering
Software (TES)**

**Combination
of sources**

**City and County of
Denver Open Data,
DRCOG if necessary
(Denver also has a
SDE file on GIS
servers that has
expanded data than
what is available on
Open Data)**

**CDOT,
Internal
(Brazos
Tableau)**

**Police data from
jurisdiction and
CDOT data. CDOT
data obtain via
contacting CDOT
directly.**

What form(s) of crash data do you use?

**Spreadsheets,
GIS files**

**Actual crash
reports,
spreadsheets,
GIS data**

**Spreadsheets and
geospatial data -
love interactive
webmaps but we
don't have one**

Shapefiles

**Spreadsheet
that I convert
into GIS**

**Crash Listing
(spreadsheet), linear
referenced
preferred (road
coded), crash
reports (narratives,
diagrams)**

**XML, Tableau,
Spreadsheets,
DR3447**

GIS

**GIS and
spreadsheets**

**Use data through
software (DiExSys)
plus
spreadsheets/GIS
exported therefrom**

**GIS Shapefile & Digital
Crash Forms that sync
with Denver's servers.
Denver has a strong
partnership with DPD
too who can provide
Subject Matter
Expertise (SME)**

What kind of analysis does your organization perform with crash data?

Respond to resident and political requests

Identify if there is a correctable crash pattern

DRCOG 2050 crash data for action plans

High Injury Networks

Project improvements, development improvements/requirements, prioritizing projects

CIPs, Allocation of PD Resources - going to use the tableau data from Brazos to build a Map Application for CIP Planning

Identifying hot spots

Heat map of crashes, pedestrian and cyclist related crashes, intersection analysis

CDOT Safety Assessment Reports, Intersection Prioritization Studies, Project Specific Safety Analysis

Crash rates, severity classifications, correctable identifications

Identify projects for safety grant funding

We use the crash data to identify trucking companies who could potentially be involved in a crash

Vision Zero; Traffic Safety Improvements

School bus safety surrounding routes and stops. Child safety aboard school buses.

Identifying high crash locations

only currently using it for grant writing - would love to use it more often in day to day planning efforts.

Identifying crash trends, systemic analysis, tracking of problem areas

Determining Engineering Solution or Human Behavior Change

**Current: Federal Safety Targets
Future: Safe systems analysis**

Identifying safety countermeasures

Prioritizing high crash locations, safety studies, analysis

Bi-annual crash facts report - LOSS;

Identifying crash patterns (types of crashes and locations of crashes)

What issues and problems do you encounter in your work with crash data?

Challenging and time consuming to locate the crash geographically

Timeliness of available data, accuracy of data, time consuming process of geocoding CDOT crash data.

GIS attributes dictionary and the way data is organized

Standard entry. Timeliness (budget ends in June and that's when last year's data is available).

Accuracy in the data

Not receiving the data in a timely manner, or having pieces of the data missing.

Having to take time to compile data to do analysis and/or pay a consultant to do that work

Identifying the location and characteristics of a crash

Quality, amount of time needed to review and correct data before conducting any analysis.

Location, location, location! For non road-coded data sets, pulling specific location data can be challenging.

Add persons familiarity with area in location of crash

barriers to understanding data and how to effectively use it.

Consistency amongst different reporting agencies (PD, SO and CSP)

Level of detail/accuracy needs to accommodate both network wide and specific site analysis

How do you envision the Denver region working together to improve crash data?

Sharing technical expertise

Collective resources to provide one crash dataset and crash data analysis software

Improve methods for locating crashes.

Looking at attributes to better plan and complete safety counter measures

Tackling use cases, sharing best practices

Schemas for processing the new DR3447 data.

standardized, quality data, that DRCOG member governments can easily use

In person and online workshops! How to use DRCOG data, tutorials and helpful classroom-type learning sessions. Open to anyone! Feel hard for newbies to learn.

Ensuring that school transportation crash data includes more than just school buses.

Establish standardize method for entering data into crash report in the field. In other words, making sure data is being entered in crash reports in a consistent manner.

Uniformity and data understanding

Access to crash narratives and diagrams. Also: location, location, location!

Communication with hospitals on what a "serious injury" is

More accuracy when it comes to locating a crash

need for school crash data and easy ways to identify if a minor was involved in a crash would be helpful (and I think maintains privacy constraints that need to be observed)