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/CDOTCrashSummaryAVtestver2_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?