# What data source(s) do you use?

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

for CSP - troopers in the field, reports they file. Also use CDOT files - CDOT tracks some info that CSP doesn't, or tracks in a different way.

local jurisdiction police dept

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entered directly by traffic engineers in local agencies

use crash reports directly, autopsy reports and toxicology reports

For non-fatal bike/ped crashes, trying to track and accurately report those.

Weld County uses DiExSys data

An emerging source is near-miss data collection via video data, at a micro-scale.

City of Boulder goes off police reports, but interest in getting info from hospitals. (focus on bike/ped crashes)

For Denver - trying to do the same thing as Boulder for bike/ped crashes. Trying to capture ultimate fatalities. For FARS, auto has to be involved for it to be a fatality.

Conversation - trying to track bike/ped fatalities and stats that don't show up in FARS.

Outside of DRCOG region, NFRMPO developed a bike/ped hazard reporter tool to capture near-misses and other issues

Utilize (intercept) DOR XML format as local Police agencies transmit them to the DOR. Provides standardized format for all agencies.

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

detective and witness reports!! get all the info

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

High Injury Network

Develop interactive dashboard for public

Safety decisions for development and repair of roadways

Would like to use it to reconcile pubic/resident opinions and city commentary with the actual data

DOR also looks at apparent contributing factors - what were they doing a time of crash (on phone, distracted, etc.)

High-injury network analysis

For the consortium to consider- data has to take into account that information can change in the adjudication - if intercepting crash data before it goes to DOR, need care

Be mindful of PII in analysis

Crash behavior (ie approach turn)

Safety Performance Functions and pattern recognitions

Bike Jeffco - Does analysis on certain cases that come to their attention. Look at police report; hotspots, causal factors - design issue, user issue (driver/rider), hazards

Road user characteristics (i.e. age, distraction, drunk/drugged)

Currency issues, aggregate data over time for pattern analysis - low cost improvements to dramatically improve crash outcomes. Current needs and trends over time.

For CSP - 5 "Ws", creates "heat charts," wants to know about people involved - gender, age, causal factors (speed, etc.). Most data excludes personal/PII data.

Did a property damage crash damage public / private infrastructure? Some agencies use this information to invoice drivers for cost.

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

Limited access to data

Inconsistencies in crash reporting between agencies

DOR will accept records that have little to no information

make it easier for GPS lat/longs to go into a report (easy as pushing a button)

officers have to take GPS coordinates from personal phones or something else

officer consistency in how info is captured

crashes reported in different regions differently (reported at utility pole structures - what/where is the utility pole? was it involved?)

Street name validation

Lag in data, people want immediate responses (knee jerk reactions).

Crashes that happen in shared ownership locations (such as shared jurisdiction intersections)

tying crash data into LRS - segment pbased patterns

Public use perspective- unsure of which data to use, difficult to find/access data

GIS coordinates not at crash location, but rather officer vehicle location

Streets with multiple names

data not updated after toxicology report of the deceased is released

urban vs. rural crash reporting (example of cross-street). No LRS for smaller roads. what/where is the mileage reference?

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

Create a centralized repository with automated extracts

Making data visible to public to show why city projects were prioritized over other (oftentimes we, public, don't see this info)

Streamlining reporting across agencies, training for officers on data collection