

# Crash Analysis Studio

Session 11: Denver, Colorado

November 21, 2023



# Today's Panelists

Adam Spiker

Chris Harlan

Nam Henderson

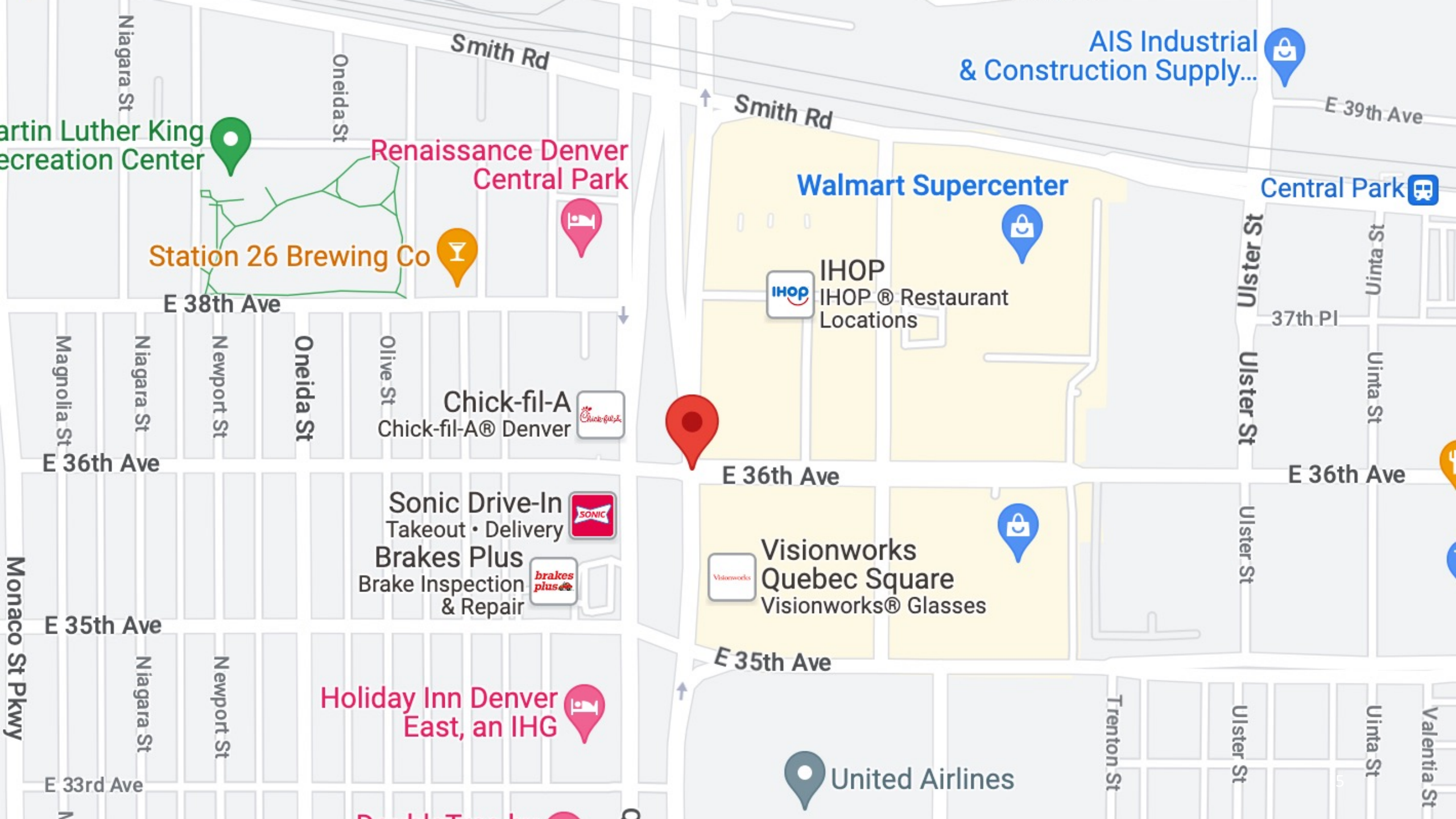
Chuck Marohn

# Crash Information

- 60-year-old Gregory Robinson was crossing the street at North Quebec Street and East 36th Avenue when he was struck and killed by a motorist.
- The crash occurred at 10pm on July 3, 2022
  - Robinson was pronounced dead on the scene at 10:11pm
  - Cause of death was listed as multiple blunt force injuries
- The crash report and weather reports tell us it was cloudy weather with temperatures in the low 70s that evening

# Crash Information

- Our local expert Chris Harlan confirmed the speed limit on Quebec Street is 45 miles per hour (mph) and the limit on 36th Avenue is 30 mph
- The motorist was driving a black SUV and, according to the police report, was issued a Unified Summons and Complaint (US&C) on scene for:
  - Careless Driving Resulting in Death
  - Driving a Motor Vehicle when License was Restrained
  - No Proof of Insurance
- The police report states there was at least one witness at the scene who heard the crash before first responders (considered other witnesses) arrived



Martin Luther King  
Recreation Center

Renaissance Denver  
Central Park

Station 26 Brewing Co

Walmart Supercenter

Central Park

IHOP  
IHOP® Restaurant  
Locations

Chick-fil-A  
Chick-fil-A® Denver

Sonic Drive-In  
Takeout • Delivery  
Brakes Plus  
Brake Inspection  
& Repair

Holiday Inn Denver  
East, an IHG

United Airlines

Visionworks  
Quebec Square  
Visionworks® Glasses

AIS Industrial  
& Construction Supply...

South Quebec Street

Quebec St

E 36th Ave

7298



# Crash Details

- Damage to the vehicle and airbag deployment indicated this was a high-speed collision
- The motorist reported to be traveling between 45 and 50 mph
- Detective Bienemann conducted a HGN Field Sobriety Test with the motorist and declared they did not appear to be intoxicated or impaired

# Overall Site Conditions

- **North Quebec Street** is a roadway that used to be the primary approach to the Stapleton airport, which closed in 1995.
  - North Quebec Street has 5 northbound through traffic lanes, with the one on the far right ending shortly after this intersection
  - North Quebec Street facilitates access to Interstate 70, Interstate 270, and state highway 35.
- There are signals present at the north, east, and west sides of the intersection; the south side has a stop bar and a “Stop Here on Red” sign
- There are marked crosswalks on all four legs of the intersection





ONE WAY

ONE WAY

Quebec



**Crash Location  
Pedestrian looking East**



SW Corner of Intersection  
Looking N/NE on Quebec



SE Corner of Intersection  
Looking N/NW on Quebec



**Pedestrian Crossing  
East Side of Intersection**

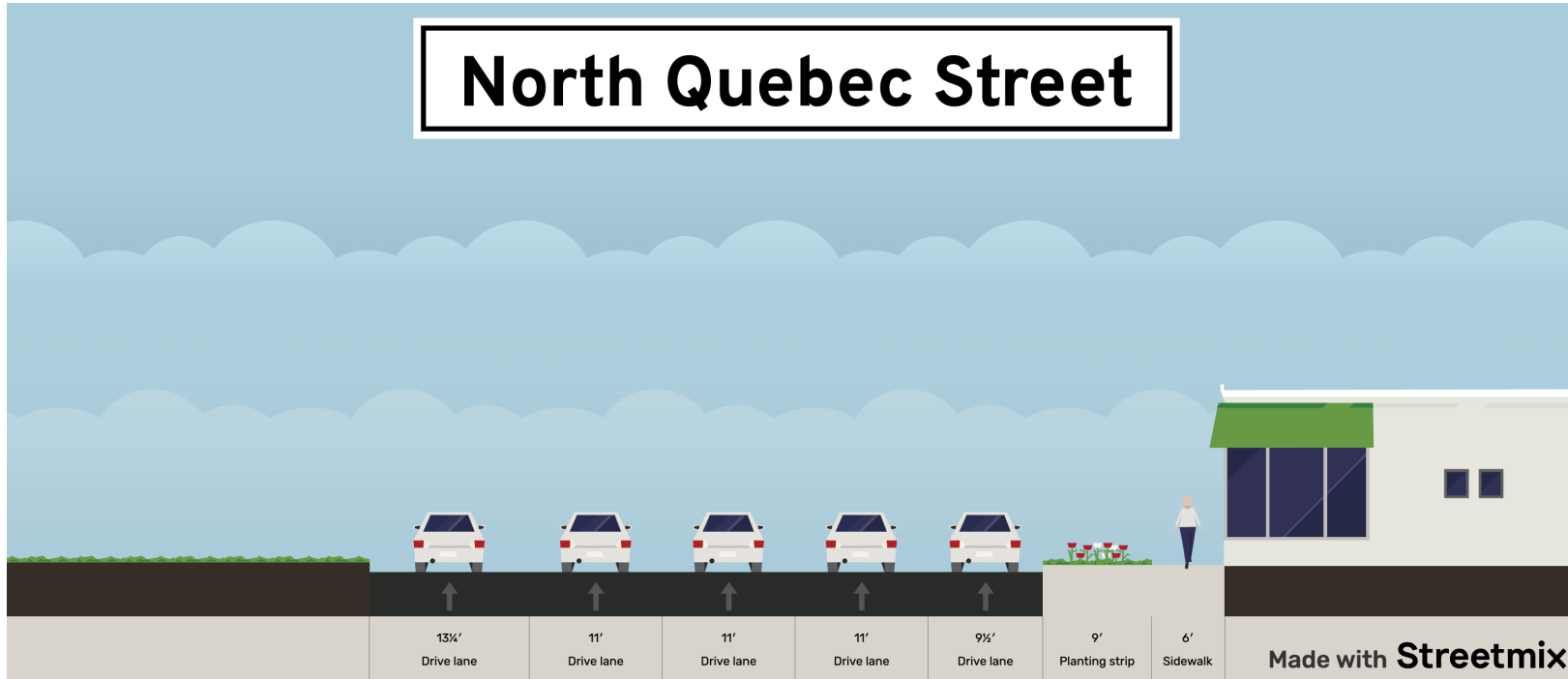


**Crosswalk – Looking South  
West Side of Intersection**



**North of Intersection  
Looking NW across Median**

# North Quebec Street

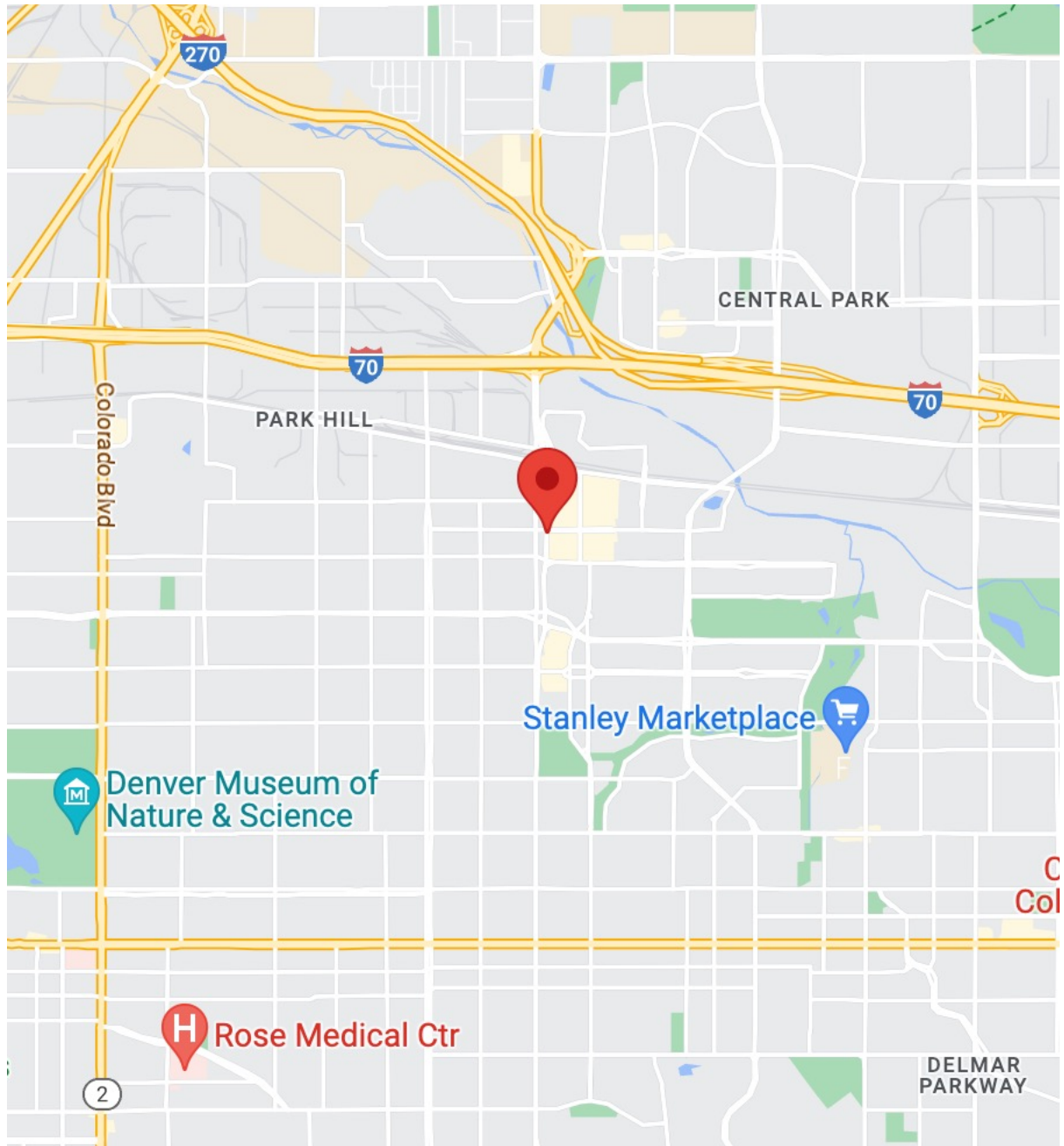


5 Northbound Lanes  
Left-most: 13.25'  
Middle Three: 11' each  
Far-right: 9.5' - ends 700' beyond intersection

# Overall Site Conditions

- Sub-Urban Development Pattern with Residential and Commercial Properties
- Utility to access two major interstates (70 & 270) and State Highway 35 to the north
- Proximity to Colorado Boulevard (State Highway 2) to the west, and U.S. Route 40 to the south
- Nearby multiple hotels, the Central Park neighborhood, various retail establishments, a public library, and plenty of homes



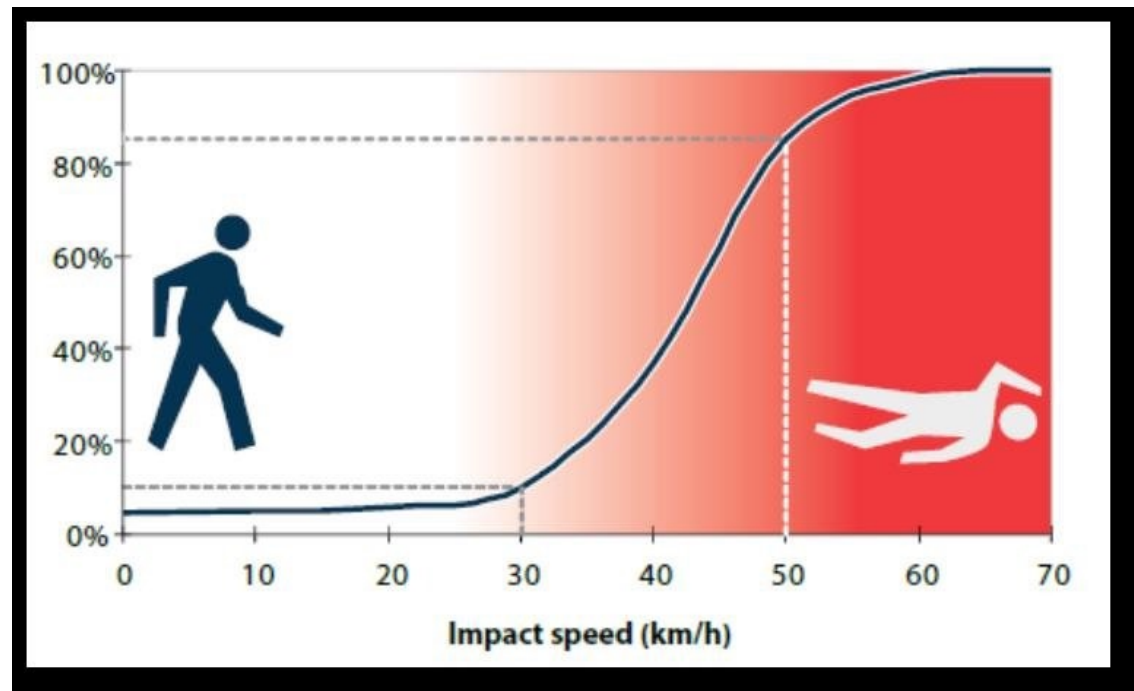


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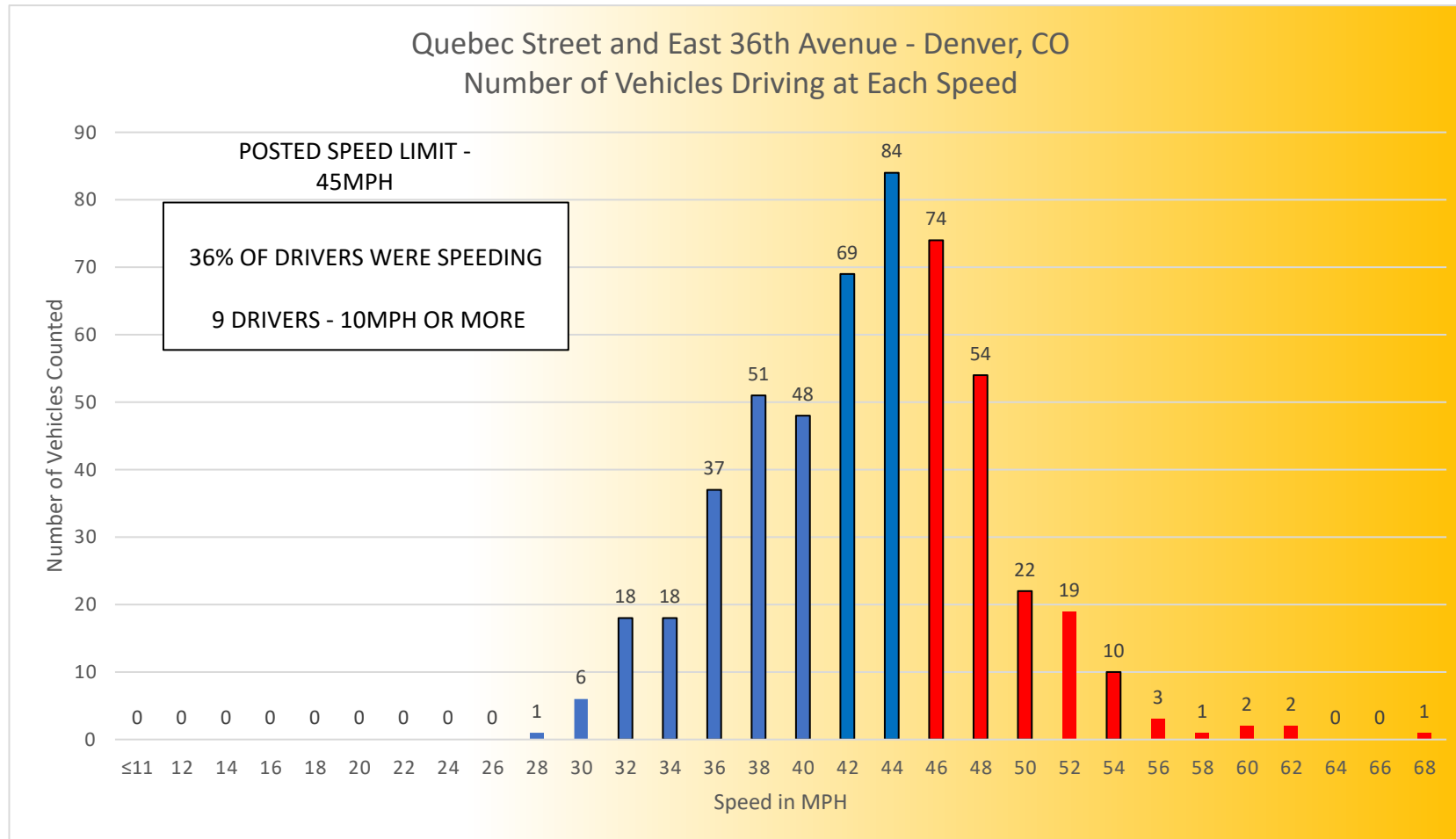
- Preliminary Speed Study indicates significant number of automobiles traveling at fatal speeds

The effects of higher speed limits on traffic fatalities in the United States, 1993–2017.

-Insurance Institute for Highway Safety



# Speed Data



\*85<sup>th</sup> percentile speed = 48 MPH  
520 cars tracked

# Acknowledgements & Special Thanks

- Our Panelists Adam Spiker, Chris Harlan, Nam Henderson and Chuck Marohn
- Our nominator, Ed Callahan
- Montana Gau, Lawrence Brogan, Sam, and other Denver community members, colleagues, and friends who have assisted in the past several months
- Strong Towns Staff