

The logo for Kimley»»Horn, featuring the company name in a white sans-serif font with three right-pointing chevrons between the words. The background consists of large, overlapping abstract shapes in red, blue, orange, and lime green on a dark grey base.

Kimley»»Horn

Expect More. Experience Better.

CRIS Crash Data Dashboards

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ABOUT ME

- UT Austin/Georgia Tech Graduate
- 4 years at Kimley-Horn – Austin/Richardson
 - Moved to DFW in 2023
- Areas of Interest:
 - Safety planning – SS4A Safety Action Plans
 - Data visualization – crash data, travel time data, count data, etc.
 - Traffic studies
 - Corridor studies

QUOTE OF THE DAY

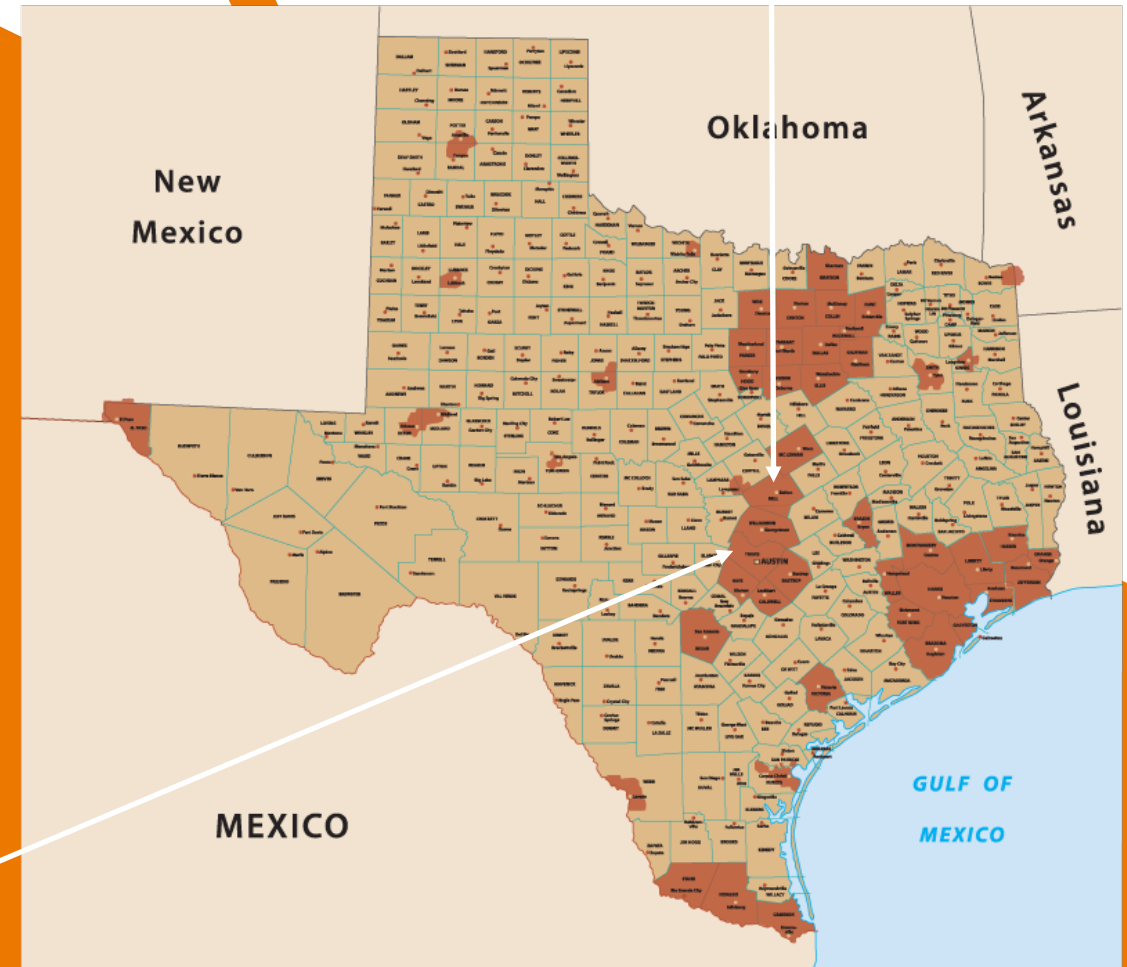
“Without data you’re just another person with an opinion.”

W. Edwards Deming



PROJECT HISTORY

- In 2021, Kimley-Horn prepared a set of dashboards for CAMPO to host on their website:
 - Crash Data
 - Census Data
 - MPO Performance Metrics Data
 - Roadway Inventory Data
- KTMPO saw these and wanted similar dashboards for their website
- The two MPOs agreed to leverage the shared effort of developing similar dashboards for both MPOs to avoid duplication of effort
- Kimley-Horn prepared dashboards for KTMPO and incorporated enhanced features into the CAMPO dashboards



DASHBOARDS VISION

Go To Resource for the Region

- Target Audience
 - Policy Makers
 - Practitioners
 - Public
- Easy to Access, Use, and Maintain
 - Publicly available with no passwords
 - Easy to navigate for various users
 - CAMPO Staff to take over maintenance
- Future-Proof
 - Scalable to grow with data
 - Able to integrate future data sources

OLD WAY

Static
Charts/Graphs/Maps

Exhibit 8.1: Number of Fatal Crashes from 2012-2016

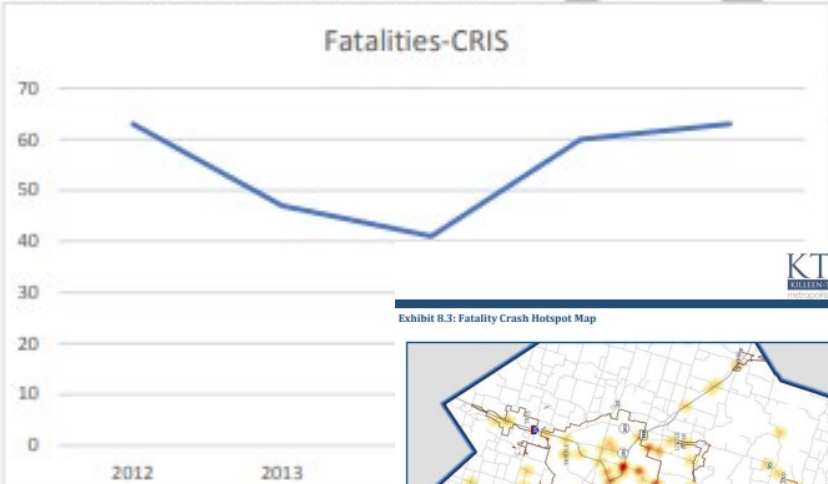
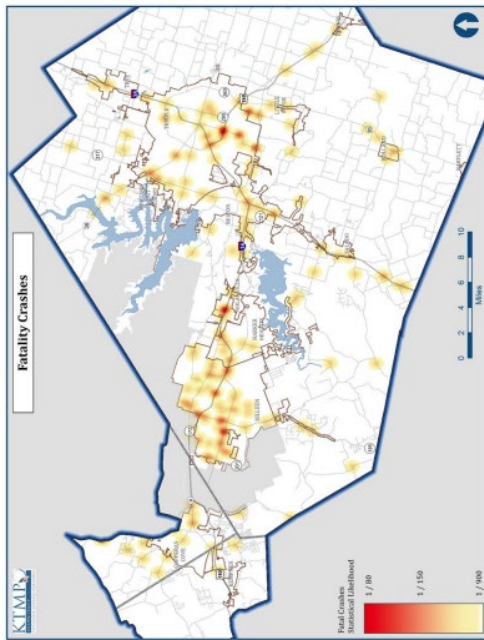


Exhibit 8.3: Fatality Crash Hotspot Map



NEW WAY

Dynamic and Interactive
Charts/Graphs/Maps

6,262
Total Crashes

Crash Years Displayed: 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023

Crash Count by Day of Week and Time of Day

Crash Time	MON	TUE	WED	THU	FRI	SAT	SUN	Total
12:00 AM	14	10	12	11	14	14	12	87
1:00 AM	7	9	9	7	5	18	15	70
2:00 AM	4	6	8	7	13	21	29	88
3:00 AM	10	7	8	8	9	18	19	79
4:00 AM	8	13	10	8	10	9	17	75
5:00 AM	14	14	5	10	17	9	12	81
6:00 AM	34	45	33	34	50	16	13	225
7:00 AM	87	105	87	103	88	17	16	484
8:00 AM	38	57	55	49	58	25	15	297
9:00 AM	33	42	30	27	43	25	15	215
10:00 AM	29	27	25	22	22	22	13	155
11:00 AM	44	35	33	33	33	33	10	226
12:00 PM	43	45	43	43	43	43	10	250
1:00 PM	38	39	38	38	38	38	10	231
2:00 PM	50	53	50	50	50	50	10	263
3:00 PM	76	50	76	76	76	76	10	430
4:00 PM	77	70	77	77	77	77	10	455
5:00 PM	88	79	88	88	88	88	10	431
6:00 PM	52	55	52	52	52	52	10	273
7:00 PM	30	34	30	30	30	30	10	158
8:00 PM	25	22	25	25	25	25	10	127
9:00 PM	20	19	20	20	20	20	10	109
10:00 PM	22	13	22	22	22	22	10	116
11:00 PM	20	10	20	20	20	20	10	110
Total	863	859						

Total Crashes by Weather Condition

Crash Severity	Weather Condition	Count
FATAL INJURY	CLEAR	4.59K
	CLOUDY	3.2K
	RAIN	1.2K
SERIOUS INJURY	SNOW/ICE	0.80K
	FOG	0.02K

Crash Locations
Crash Severity: FATAL INJURY
View heat map | 472 Count of Crashes

Count of Crashes by Year

Year	Count of Crashes
2014	33
2015	43
2016	45
2017	57
2018	32
2019	47
2020	53
2021	48
2022	56
2023	58

RESOURCES

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DATA DASHBOARDS

CAMPO developed a series of data dashboards to serve as analysis tools and community resources for the six-county region of Bastrop, Burnet, Caldwell, Hays, Travis, and Williamson counties.

If you have any questions, comments, or suggestions on the dashboard please contact dashboard@wilco.org.

DATA DASHBOARDS

- › [ACS Dashboard 2017-2019](#)
- › [ACS Dashboard 2020 and Beyond](#)
- › [CAMPO Performance Metrics Dashboard](#)
- › [CRIS Dashboard](#)
- › [Passenger Origin-Destination \(CAMPO Core\) Dashboard 2020](#)
- › [Passenger Origin-Destination \(Texas\) Dashboard 2020](#)
- › [Roadway Inventory Dashboard](#)

ACS DASHBOARD 2017-2019

Regional data from the American Community Survey (ACS) for the years 2017 – 2019. Years 2020 and beyond are reported in a separate dashboard due to changes in the census tract boundaries that occurred with the 2020 census.

[View Dashboard](#)

Data Dashboards [HOME](#) → [DATA DASHBOARDS](#)

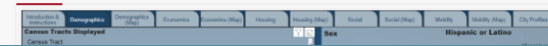
KTMPPO has developed a series of Regional Transportation Statistics and Metrics Dashboards to provide regional policy makers, planners, stakeholders, and the public with data that details the region's progress and status on transportation metrics such as congestion, traffic fatalities, system resiliency, and more. These dashboards allow users to examine past and present data in a way that makes it easier to evaluate the performance of transportation investments and to assess progress toward the achievement of goals for the region's transportation network. The dashboards will also help KTMPPO staff execute a performance-based approach to transportation planning and programming.

KTMPPO has developed five dashboard tools to help users interact with available transportation data and to provide an interactive experience for public involvement and stakeholder engagement. These tools are:

- 🔗 [American Community Survey \(ACS\) Census Data Dashboard](#)
- 🔗 [Crash Records Information System \(CRIS\) Data Dashboard](#)
- 🔗 [Regional Mapping Data Dashboard](#)
- 🔗 [Federal Performance Measures Dashboard](#)
- 🔗 [Transportation Improvement Program \(TIP\) Project Viewer Dashboard](#)

Please contact James McGill at james.mcgill@ctcog.org with questions related to the Regional Transportation Statistics and Metrics Dashboards.

AMERICAN COMMUNITY SURVEY (ACS) CENSUS DATA DASHBOARD



The ACS Data Dashboard displays data collected by the United States Census Bureau as part of its annual American Community Survey program for census tracts within the Killeen-Temple Metropolitan Planning Organization (KTMPPO) region in central Texas. Data shown reflects the ACS five-year averages published by the Census Bureau. The most recent set of published ACS data is shown by default in the dashboard below, and data from 2019 and

DEMONSTRATIONS

<https://www.campotexas.org/resource-category/data-dashboards/>

<https://ktmpo.org/data-dashboards/>