# 2021 MUG – SEPTEMBER MEETING
COVID-19 DATA

OHIO DEPARTMENT OF
**TRANSPORTATION**

ODOT PERMANENT COUNT PROGRAM

o Around 250 stations – variety of types – count 24 x 7, 365 days per year

o Used as baseline data for adjusting all other counts. Based on double magic black box (best practices and federal guidelines)

o Growing our coverage by accessing existing infrastructure from other areas within ODOT - ramp metering, ITS, signals, cameras, etc.

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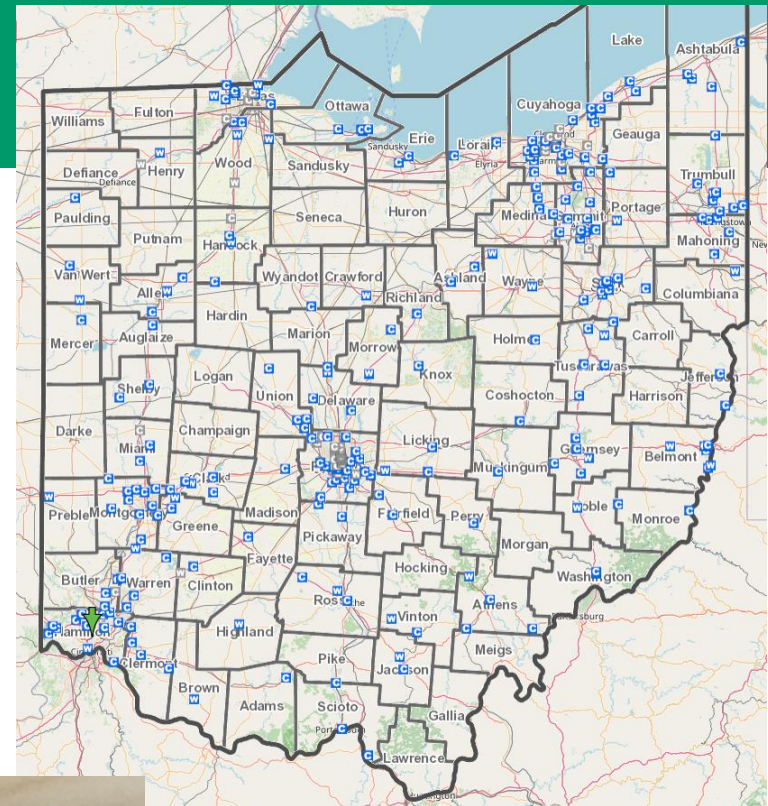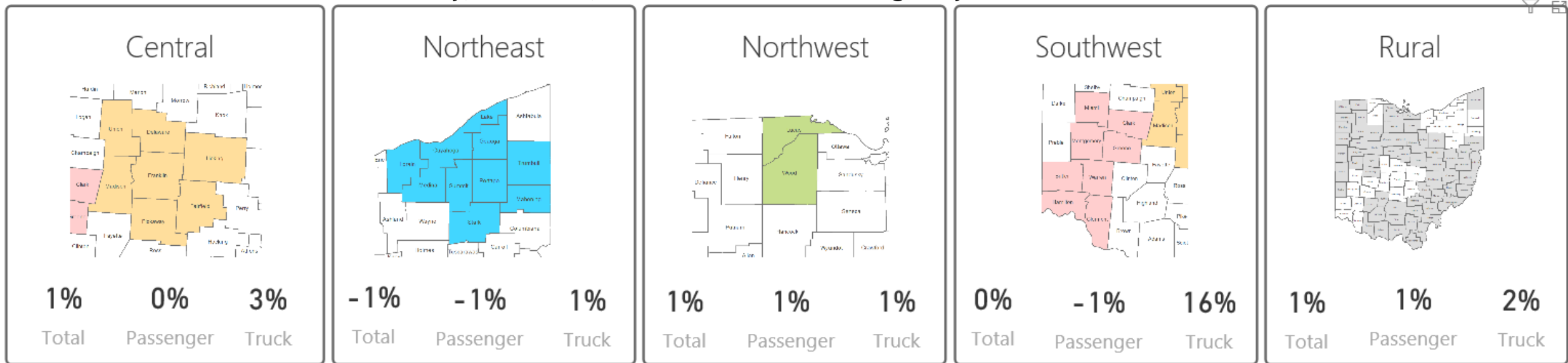
ODOT SHORT TERM COUNT PROGRAM

- Program & Special Request
- Nearly 50,000 locations in our system
- Count 1/3 counties each year – old style tubes, camera, radar
- 3-yr. and 6-yr rotating basis, about 7000 – 10,000/year
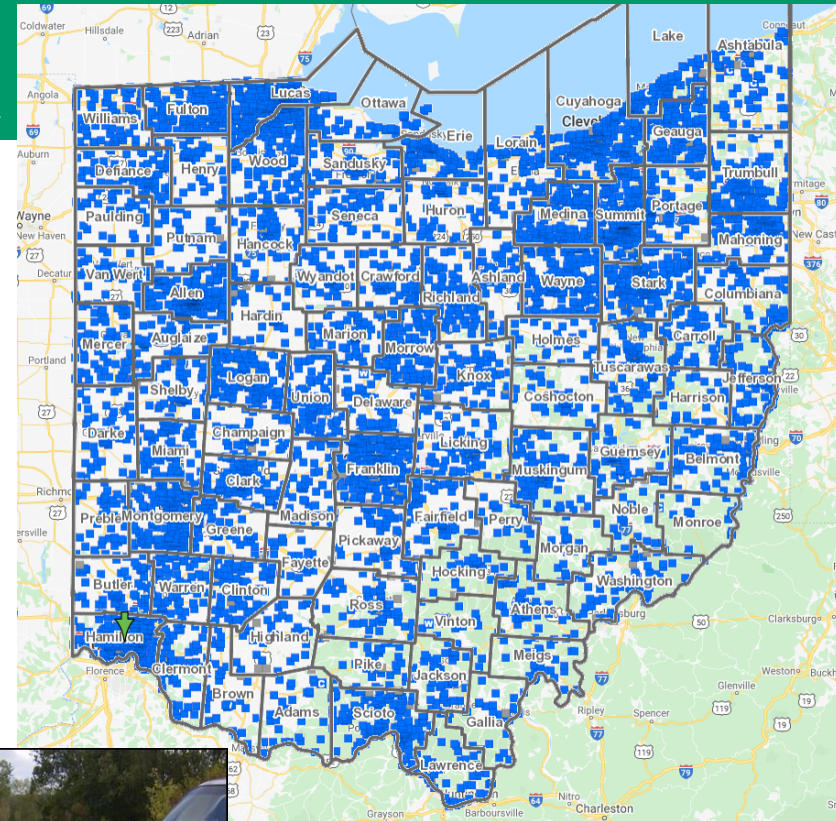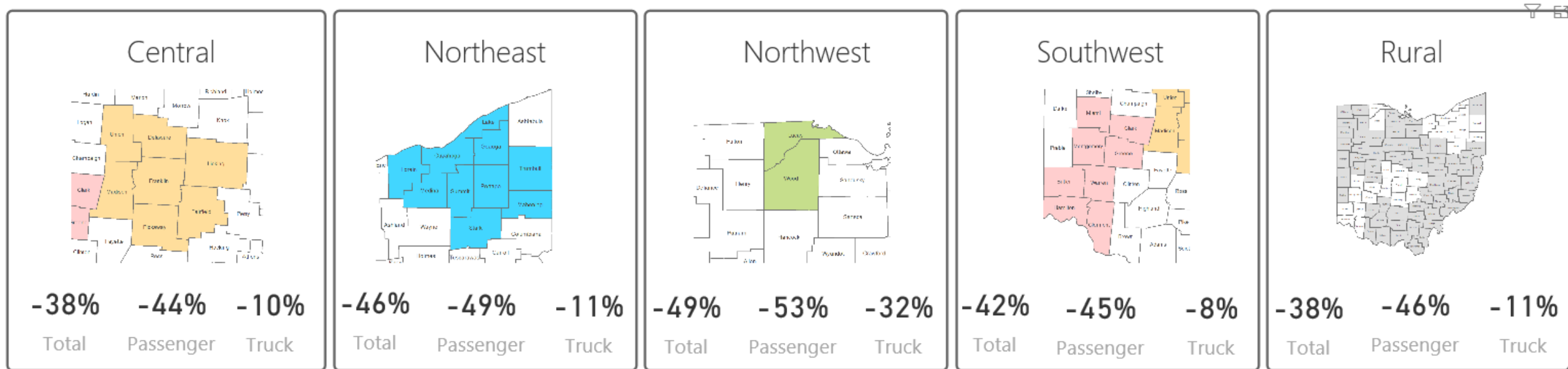
Model Counts?
- 2019 = Golden
- 2020 = Start/Stop
- 2021 = back on track

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Monday, March 9, 2020 – State of Emergency Declared

Central			Northeast			Northwest			Southwest			Rural		
1%	0%	3%	-1%	-1%	1%	1%	1%	1%	0%	-1%	16%	1%	1%	2%
Total	Passenger	Truck	Total	Passenger	Truck	Total	Passenger	Truck	Total	Passenger	Truck	Total	Passenger	Truck

Monday, March 30, 2020 – 3 weeks later, State at Home order in full effect
Restaurants, schools, elective surgeries, salons, non-essential businesses, childcare all closed

Central			Northeast			Northwest			Southwest			Rural		
-38%	-44%	-10%	-46%	-49%	-11%	-49%	-53%	-32%	-42%	-45%	-8%	-38%	-46%	-11%
Total	Passenger	Truck	Total	Passenger	Truck	Total	Passenger	Truck	Total	Passenger	Truck	Total	Passenger	Truck

Monday, March 9, 2020 – March 30, 2020, Daily Reductions and overall reduction
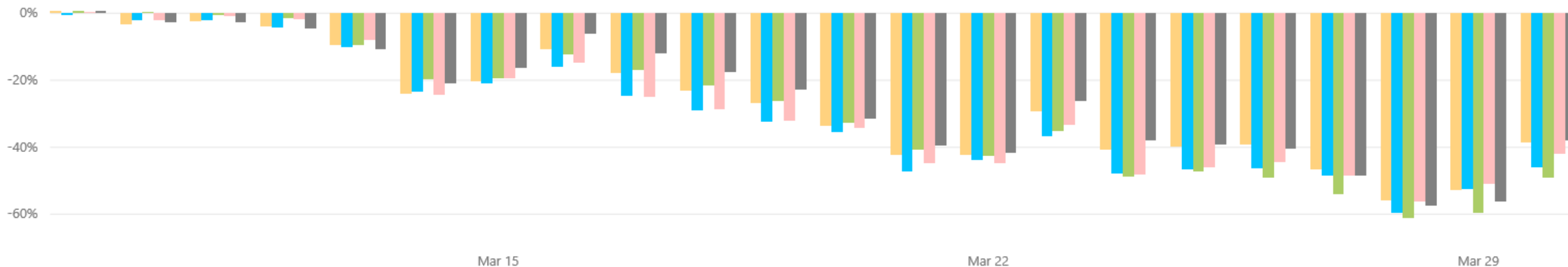
Regional Traffic Analysis

Central			Northeast			Northwest			Southwest			Rural		
-27%	-30%	-4%	-30%	-32%	-4%	-29%	-33%	-11%	-28%	-31%	-1%	-26%	-33%	-4%
Total	Passenger	Truck	Total	Passenger	Truck	Total	Passenger	Truck	Total	Passenger	Truck	Total	Passenger	Truck
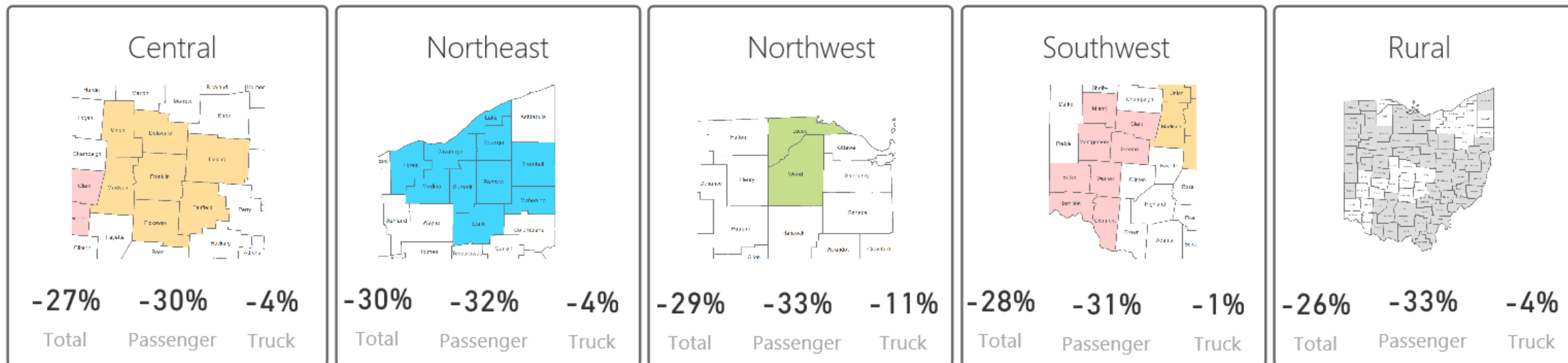
Region: ● Central ● Northeast ● Northwest ● Southwest ● X - Rural

Comparison (Passenger VMT)

● US ● Ohio ● Columbus ● NYC
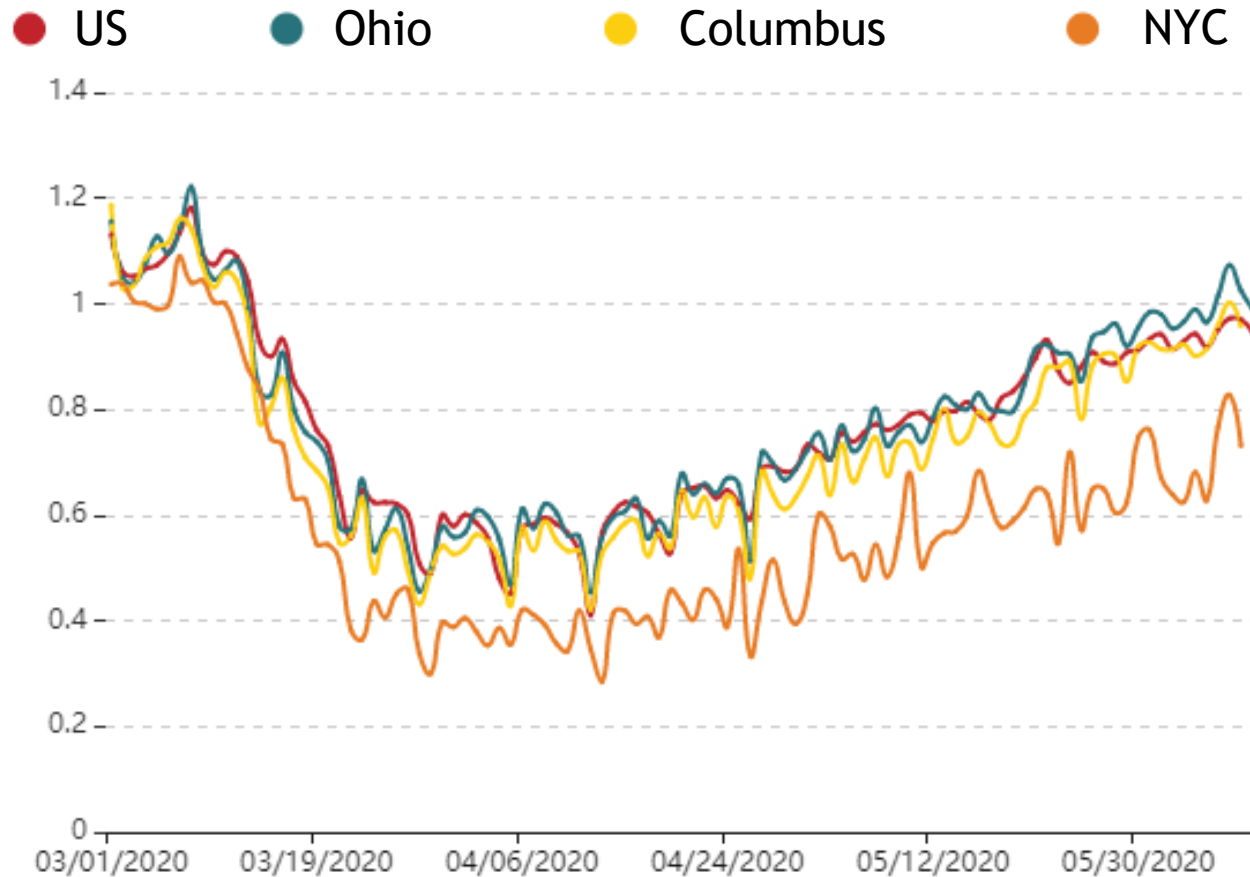
o The decrease in average trip distance for NYC is more significant (lowest pt. 0.284 on Apr. 13 (Mon.))

o Fleet vehicles has the same trend as passenger cars

o Long-haul trucks remains unchanged during the same period

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COVID 19 DATA SNAPSHOTS

Questions – The largest single day drop was Sunday, April 12, 2020.
What location had the largest total **percentage** drop in total traffic that day?

1. Allen County – IR 75 – Rural Interstate

2. Wyandot County – US 23 – Rural Freeway

3. Cuyahoga County – IR 90 – Urban Interstate

4. Holmes County – US 62 – Amish County

5. Vinton County – SR 683 - Appalachia

Tidbit -- 19/20 of the biggest single day reductions were on Sundays in April

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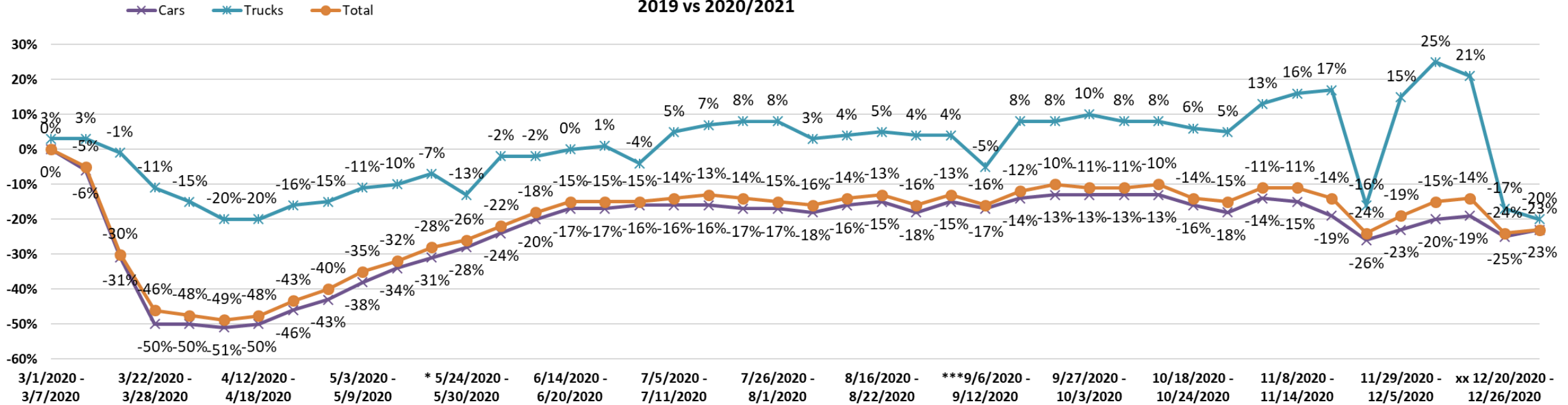
COVID 19 DATA SNAPSHOTS

Questions 3 – The largest single day drop was Sunday, April 12.
What location had the largest total percentage drop in total traffic that day?

County	Location	MS2 #	Total % decrease	Car % decrease	Truck % decrease	Snipets
Allen County	IR-75	27902	-77%	-81%	-52%	Went from 34,432 to 6508 vehicles
Wyandot County	US 23	288	-74%	-77%	-48%	
Cuyahoga County	IR-90	91818	-54%	-55%	-32%	
Holmes County	US 62	9438	-52%	-53%	-43%	
Vinton County	SR 683	8282	-25%	-25%	-0%	Still 8 trucks

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Car & Truck Traffic Impacts by Week
2019 vs 2020/2021

Car & Truck Traffic Impacts by Week
2019 vs 2020/2021

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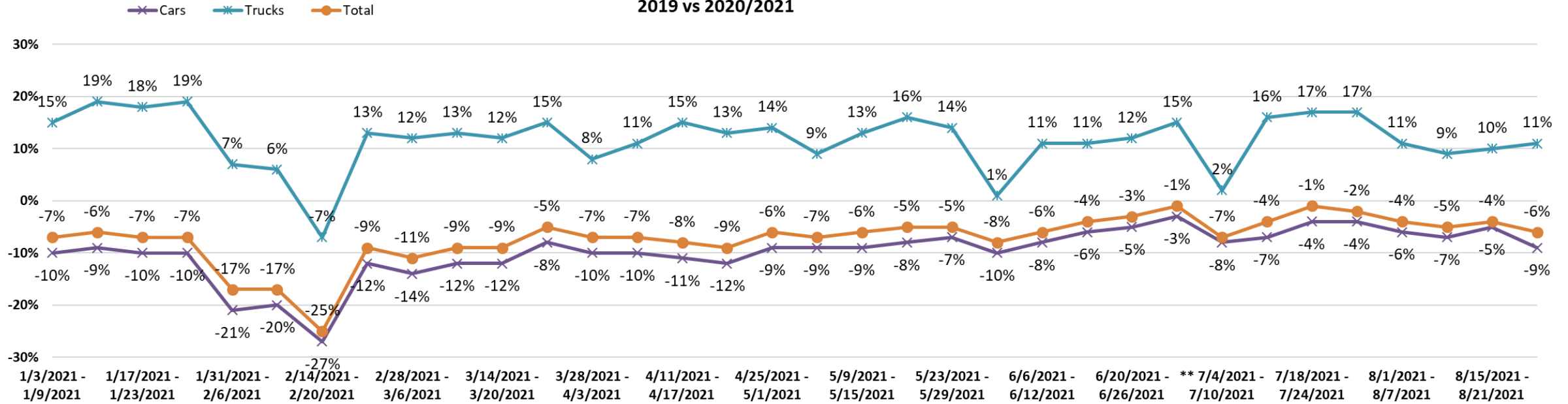
COVID 19 DATA SNAPSHOTS - HOLIDAYS
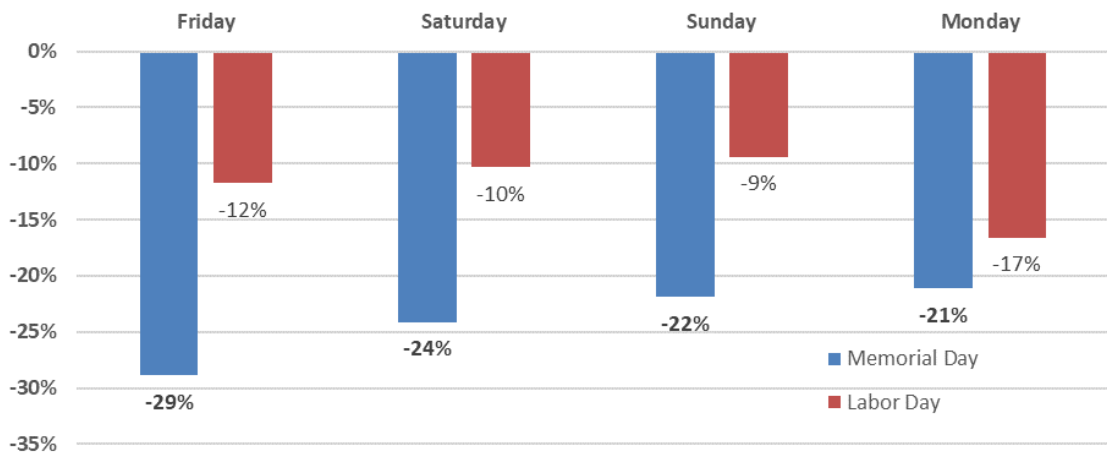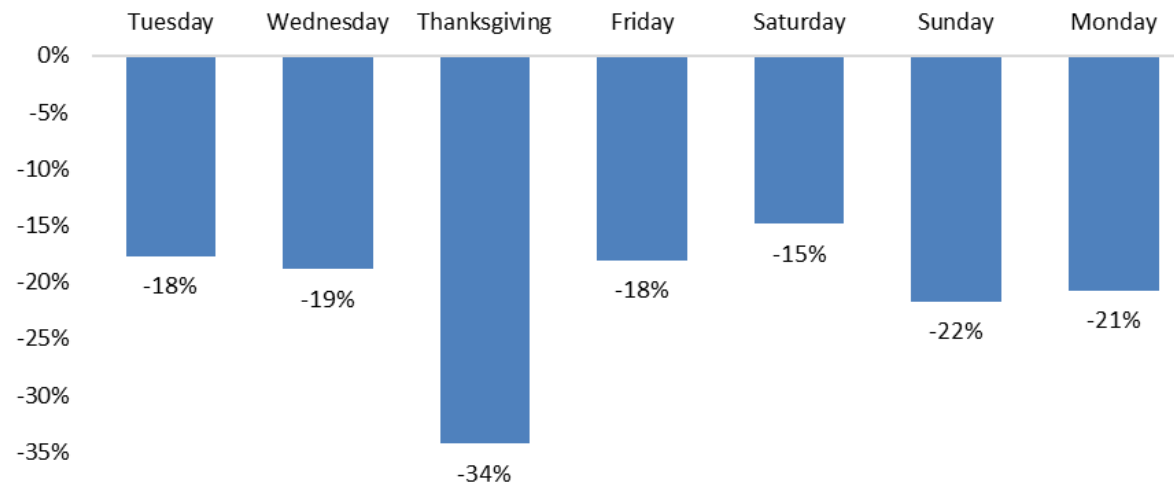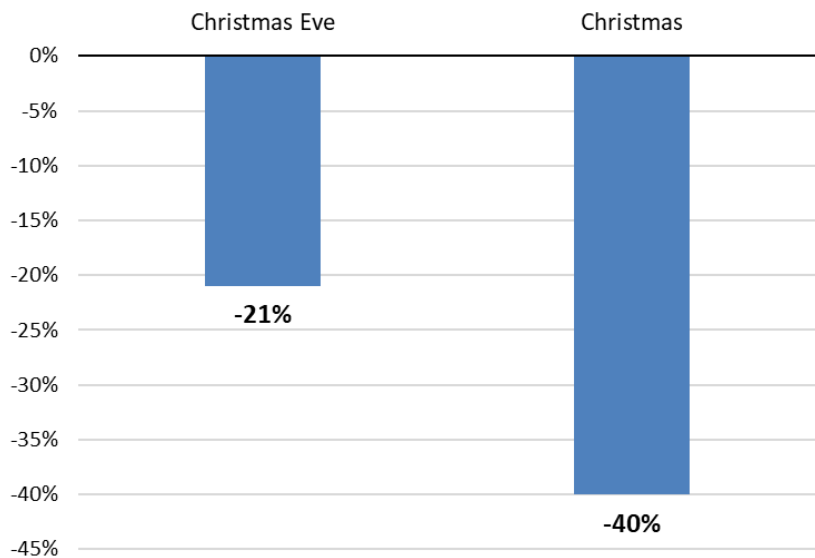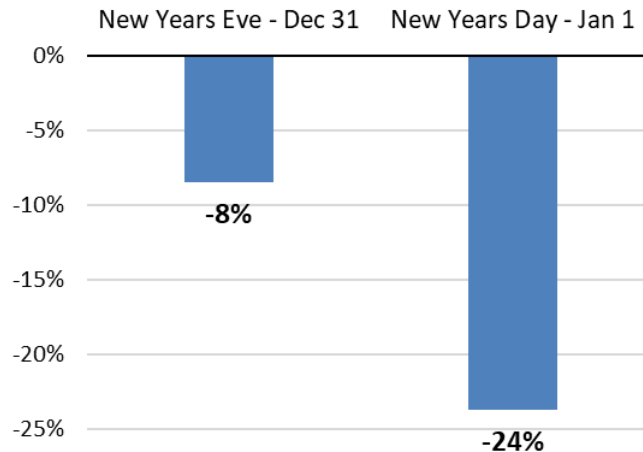
Car & Truck Traffic Impacts by Month 2019 vs 2020/21

	March 2020	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020	October 2020	November 2020	December 2020	January 2021	February 2021	March 2021	April 2021	May 2021	June 2021	July 2021	August 2021
Cars	-24%	-48%	-33%	-19%	-17%	-17%	-14%	-15%	-18%	-21%	-12%	-19%	-11%	-11%	-8%	-7%	-5%	-7%
Trucks	-3%	-18%	-10%	-1%	5%	4%	4%	7%	7%	9%	13%	5%	13%	12%	11%	11%	14%	10%
Total	-22%	-45%	-31%	-17%	-14%	-15%	-12%	-12%	-16%	-18%	-9%	-17%	-8%	-8%	-6%	-5%	-3%	-5%

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COVID 19 DATA SNAPSHOTS

June 2019 vs June 2021
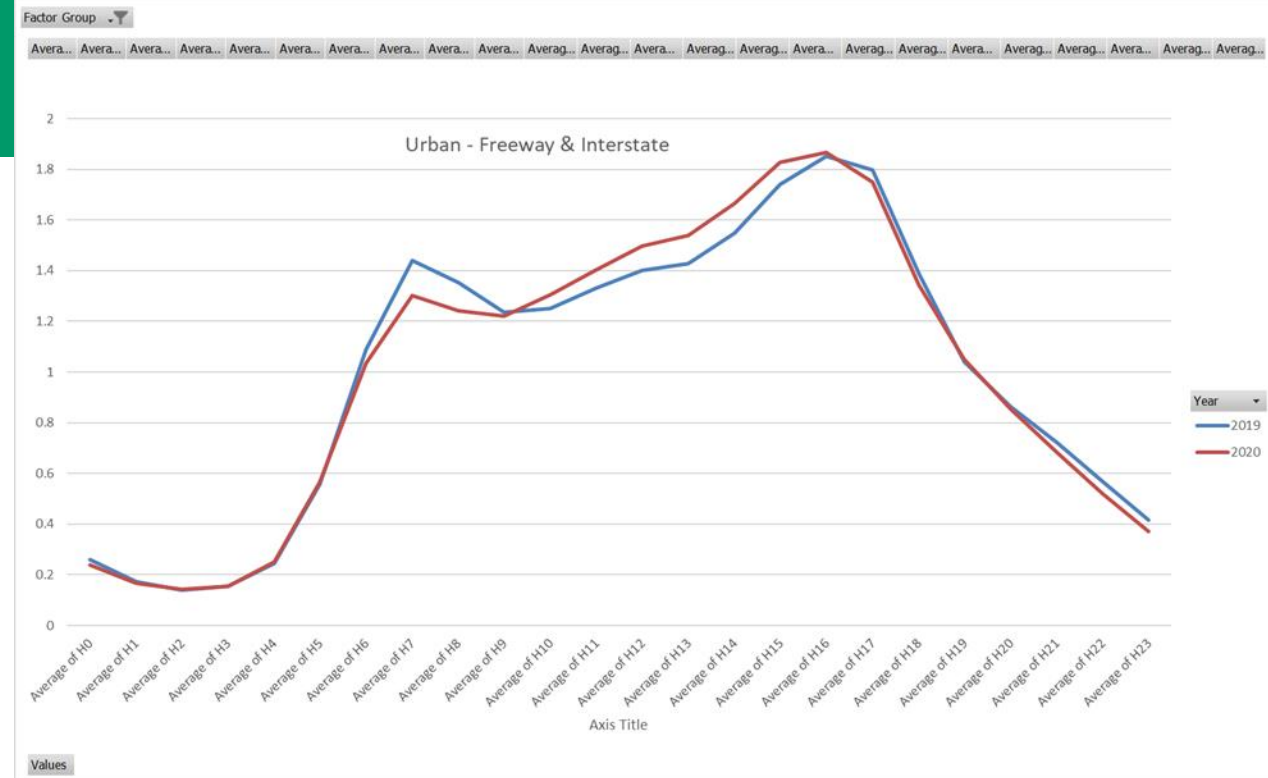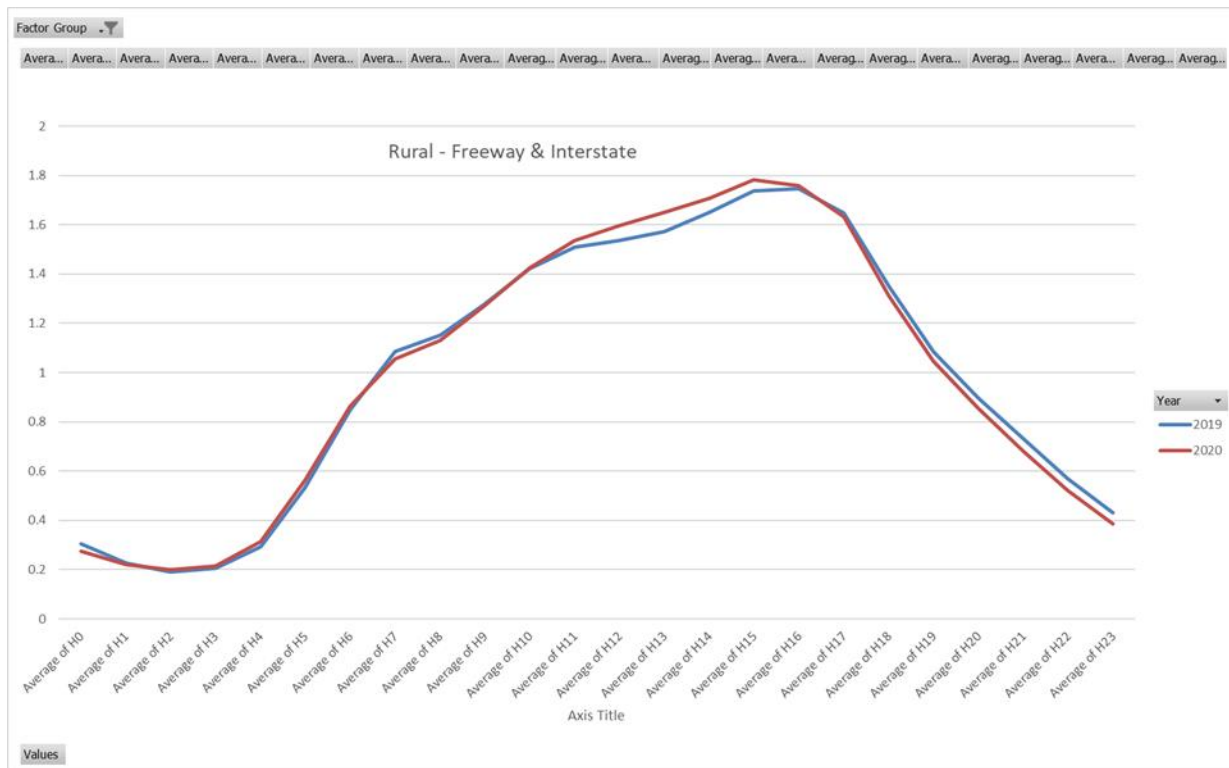
HourlyReview2 - Power BI (powerbigov.us)

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This shows the distribution of traffic mix - not necessarily the total volume of vehicle changes.

Data based on short term class counts collected. 2021 data is counts that had been received and processed by mid-August 2021. Data for 2021 will not be final until all counts have been collected, uploaded and processed.

Vehicle ClassificationDistribution

FHWA Vehicle Classifications

	Class 1	Class2	Class 3	Class 4	Class 5	Class 6	Class 7	Class 8	Class 9	Class 10	Class 11	Class 12	Class 13
2015	0.41%	75.33%	13.64%	0.16%	1.41%	0.72%	0.28%	0.53%	6.90%	0.15%	0.26%	0.12%	0.07%
2016	0.39%	75.44%	13.65%	0.16%	1.47%	0.71%	0.30%	0.48%	6.85%	0.13%	0.25%	0.12%	0.05%
2017	0.37%	75.51%	13.81%	0.16%	1.64%	0.75%	0.34%	0.47%	6.44%	0.15%	0.23%	0.11%	0.04%
2018	0.34%	74.86%	14.49%	0.17%	1.57%	0.72%	0.36%	0.46%	6.46%	0.15%	0.23%	0.12%	0.09%
2019	0.34%	74.34%	15.14%	0.17%	1.49%	0.72%	0.33%	0.47%	6.47%	0.15%	0.21%	0.11%	0.06%
2020	0.34%	68.69%	17.01%	0.15%	1.70%	0.81%	0.39%	0.63%	9.47%	0.18%	0.32%	0.20%	0.10%
2021 (partial)	0.39%	67.82%	17.19%	0.18%	1.87%	0.79%	0.45%	0.69%	9.81%	0.18%	0.33%	0.20%	0.09%

■2015 ■2016 ■2017 ■2018 ■2019 ■2020 ■2021 (partial)

COVID 19 DATA SNAPSHOTS

Day of Week 2019 vs 2021
June 6 - Aug 30 (Excluding 4th July week)

	Mon-Thurs	Friday	Sat-Sun
Total	-5%	-5%	-0.76%
Cars	-8%	-7%	-1.95%
Trucks	12%	13%	16.19%

Total · Cars · Trucks
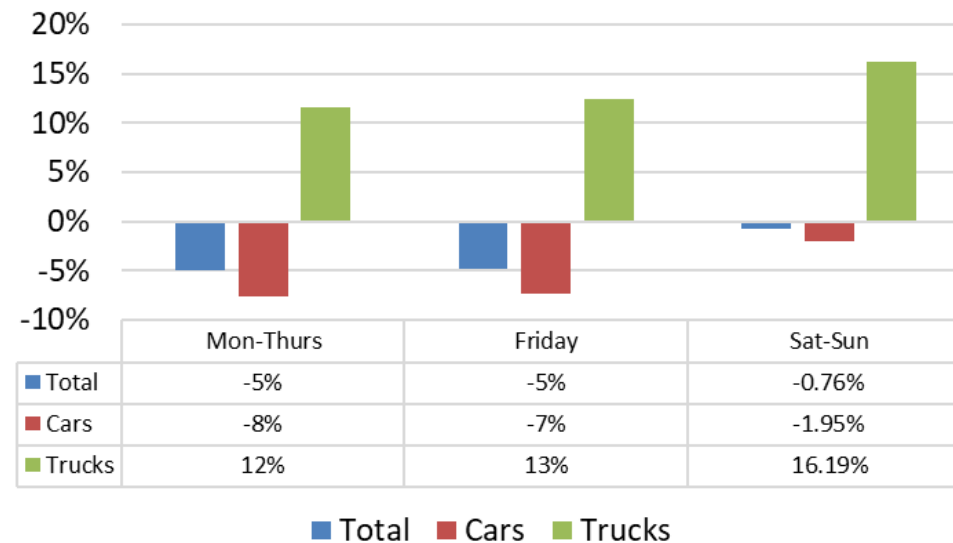
DAILY TRAFFIC CHANGES IN AUGUST 2019 VS AUGUST 2021

Total · Car · Truck

	Sunday 8/1/2021	Monday 8/2/2021	Tuesday 8/3/2021	Wednesday 8/4/2021	Thursday 8/5/2021	Friday 8/6/2021	Saturday 8/7/2021	Sunday 8/8/2021	Monday 8/9/2021	Tuesday 8/10/2021	Wednesday 8/11/2021	Thursday 8/12/2021	Friday 8/13/2021	Saturday 8/14/2021	Sunday 8/15/2021	Monday 8/16/2021	Tuesday 8/17/2021	Wednesday 8/18/2021	Thursday 8/19/2021	Friday 8/20/2021	Saturday 8/21/2021	Sunday 8/22/2021	Monday 8/23/2021	Tuesday 8/24/2021	Wednesday 8/25/2021	Thursday 8/26/2021	Friday 8/27/2021	Saturday 8/28/2021	Sunday 8/29/2021	Monday 8/30/2021
Total	-3%	-5%	-3%	-4%	-4%	-4%	-1%	1%	-5%	-5%	-7%	-7%	-7%	0%	0%	-6%	-4%	-5%	-5%	-4%	1%	-2%	-6%	-5%	-8%	-9%	-8%	-6%	-9%	-9%
Car	-5%	-7%	-6%	-7%	-6%	-6%	-2%	0%	-7%	-8%	-10%	-9%	-9%	-1%	-1%	-8%	-6%	-8%	-7%	-6%	-1%	-3%	-9%	-8%	-11%	-11%	-11%	-7%	-11%	-12%
Truck	17%	10%	10%	10%	9%	10%	15%	16%	10%	9%	8%	6%	6%	15%	15%	7%	9%	8%	8%	11%	20%	17%	11%	11%	9%	8%	9%	13%	12%	8%

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Statewide Traffic Analysis

The analysis in this report is from permanent traffic counters at ODOT and compares average day of the week by month in 2019 to specific days in 2020
Updated - 7/7/2020

Total Percent Change

-15%
Total

-16%
Passenger

-4%
Truck

District
- [ ] Select all
- [ ] 1
- [ ] 2
- [ ] 3
- [ ] 4
- [ ] 5
- [ ] 6
- [ ] 7
- [ ] 8
- [ ] 9
- [ ] 10
- [ ] 11
- [ ] 12

Date
6/28/2020 — 7/4/2020

Functional Class
- [ ] Select all
- [ ] 1
- [ ] 2
- [ ] 3
- [ ] 4
- [ ] 5
- [ ] 6

County
- [ ] Select all
- [ ] Adams
- [ ] Allen
- [ ] Ashland
- [ ] Ashtabula
- [ ] Athens
- [ ] Auglaize

MS2 ID	Station Alias	County	ODOT District	Month	Day	DAY_OF_THE_WEEK	2020 Total	2019 Total Average	Total % Change	2020 Passenger	2019 Passenger Average	PA % Change	2020 Truck	2019 Truck Average	Truck % Chan
9229	711	Greene	8	July	2	Thursday	7109	46993	-85%	5809	42084	-86%	1300	4909	-7
29305	786	Athens	10	June	29	Monday	5655	15740	-64%	4571	13242	-65%	1084	2497	-5
23430	156	Guernsey	5	July	1	Wednesday	14511	35891	-60%	8595	21472	-60%	5916	14419	-5
1680	053	Union	6	July	4	Saturday	2574	4954	-48%	2279	4263	-47%	295	691	-5
23430	156	Guernsey	5	July	4	Saturday	18534	33394	-44%	13802	24839	-44%	4732	8555	-4
5406	050	Auglaize	7	July	4	Saturday	20985	37609	-44%	18639	32586	-43%	2346	5024	-5
15003	608	Ashland	3	July	4	Saturday	35615	61289	-42%	31012	53508	-42%	4603	7782	-4
21332	621	Hancock	1	July	4	Saturday	5687	9749	-42%	4228	8654	-51%	1459	1095	3
10587	N111	Wood	2	July	4	Saturday	37106	62551	-41%	33741	55436	-39%	3365	7115	-5
121418	630	Cuyahoga	12	July	3	Friday	52230	87927	-41%	46757	77978	-40%	5473	9949	-4

ODOT TRAFFIC MONITORING DATA
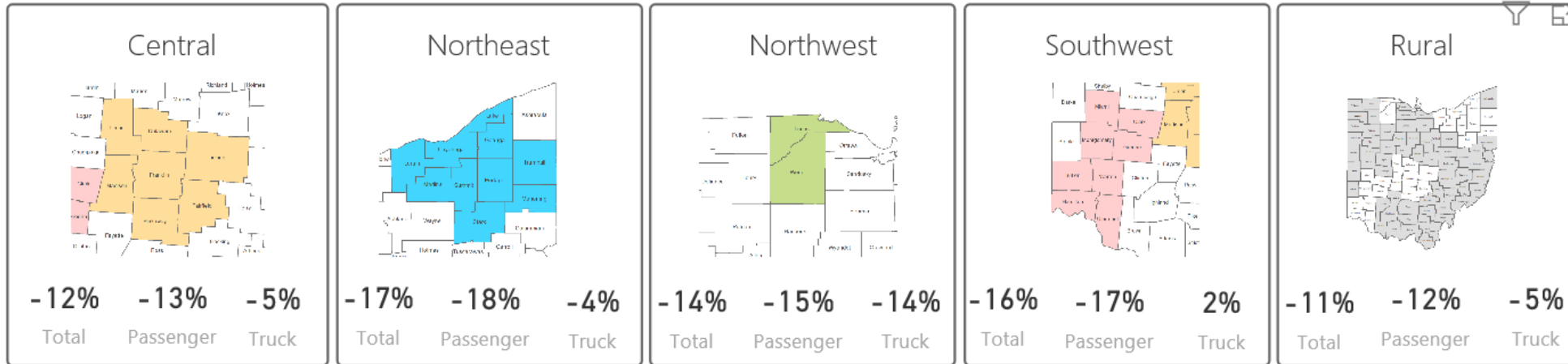
CONTACT INFORMATION

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