COVID-19

Regional Transportation System Impacts

Presentation to OTDMUG September 2021



MID-OHIO REGIONAL MORPC PLANNING COMMISSION

Presentation pulls mostly from information provided to MORPC committees over summer and early fall of 2020

Some information updated through current available









Highway

- Air Travel
- Transit
- Trails
- Air Quality

HIGHWAY

COVID-19

Regional Transportation System Impacts



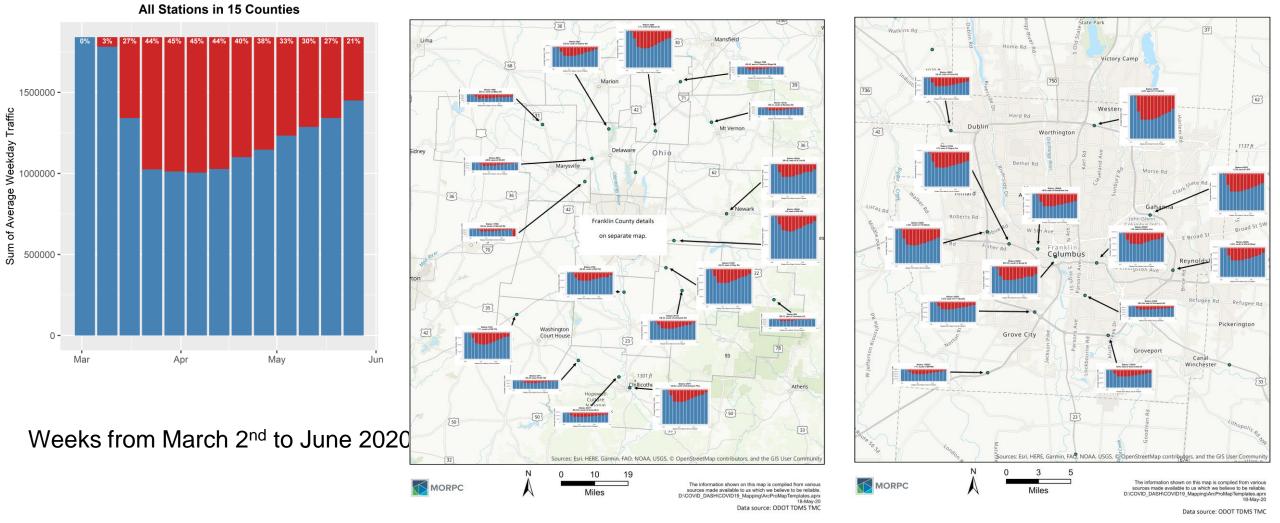
MID-OHIO REGIONAL MORPC PLANNING COMMISSION

Weekday Average Daily Traffic

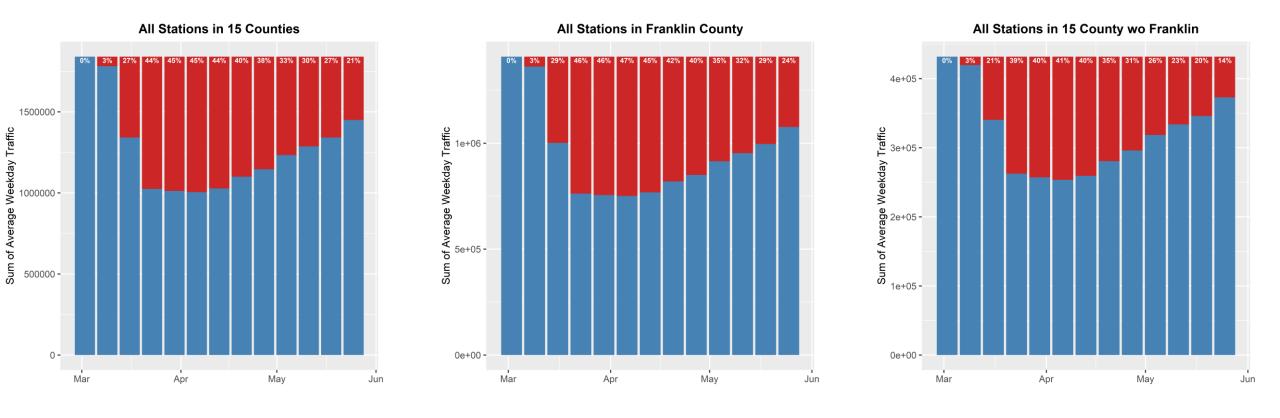
15 County Region: Average Weekday Traffic Volumes and

Percent Reduction from 1st week of March

Franklin Co: Weekly Average Traffic Volume and Percent Reduction from 1st Week of March

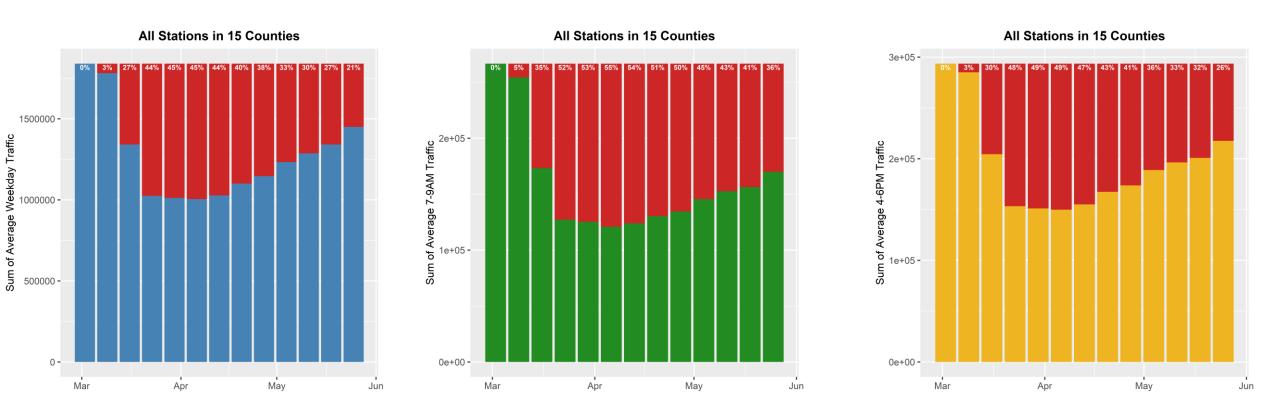


Weekday Average Daily Traffic



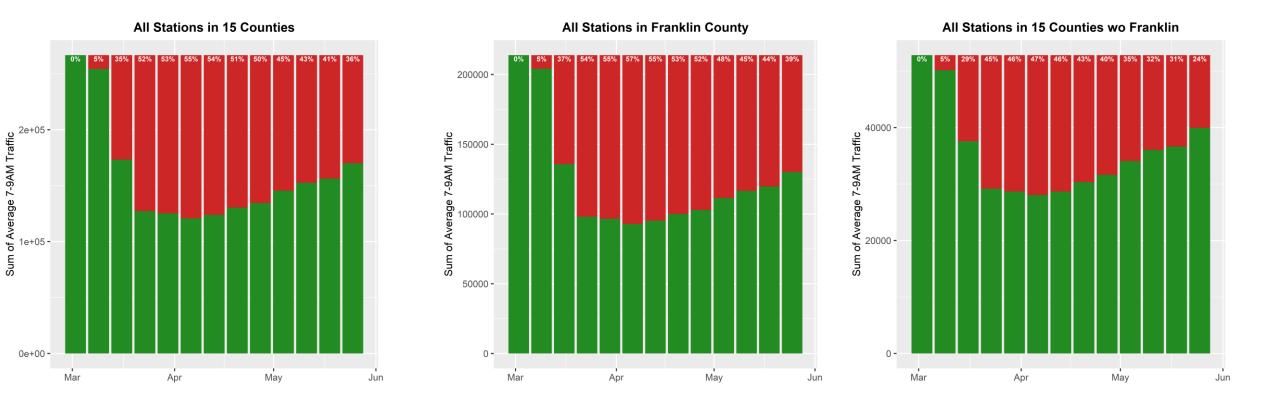
Weeks from March 2nd to June 2020

Weekday - Average Daily Traffic – AM Period – PM Period



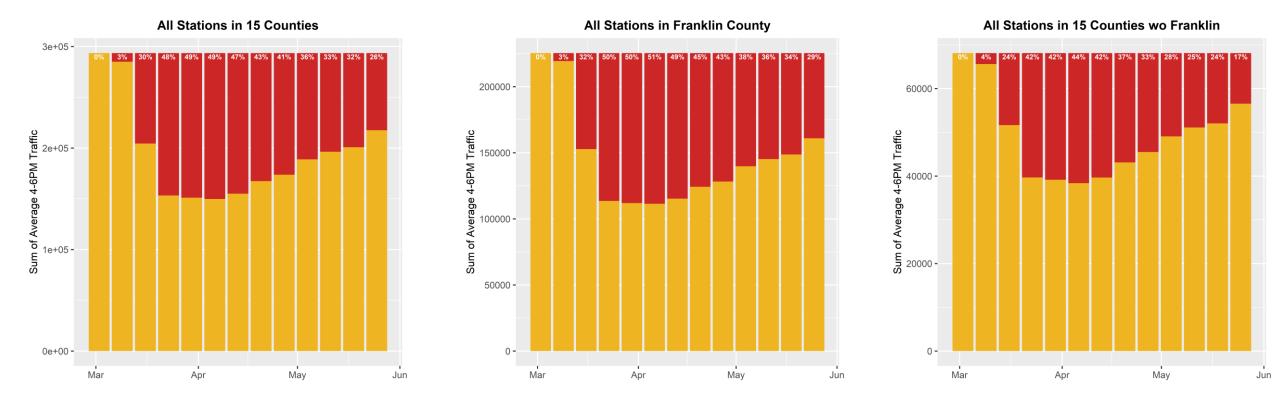
Weeks from March 2nd to June 2020

Weekday AM Peak Period

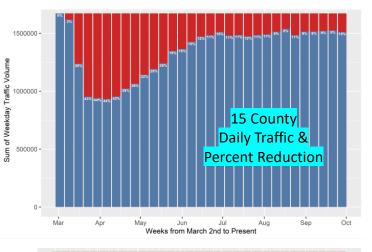


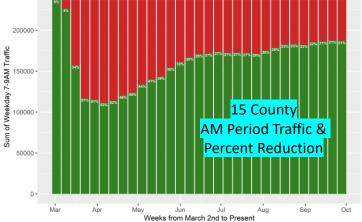
Weeks from March 2nd to June 2020

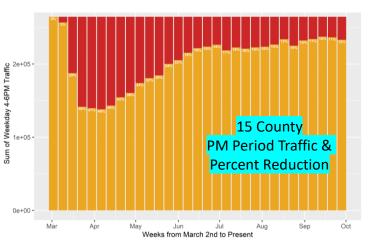
Weekday PM Peak Period

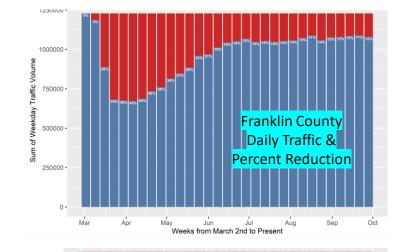


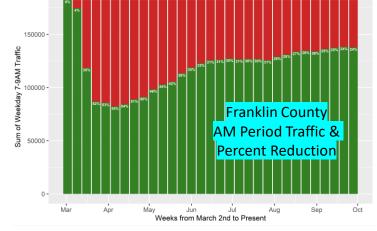
Weeks from March 2nd to June 2020

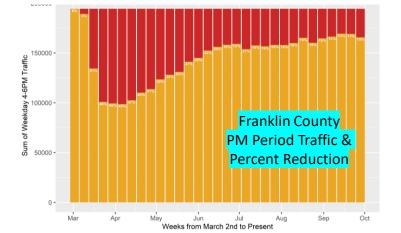


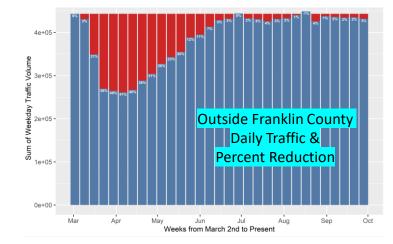


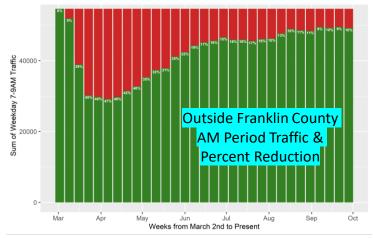


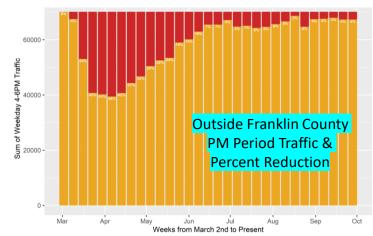


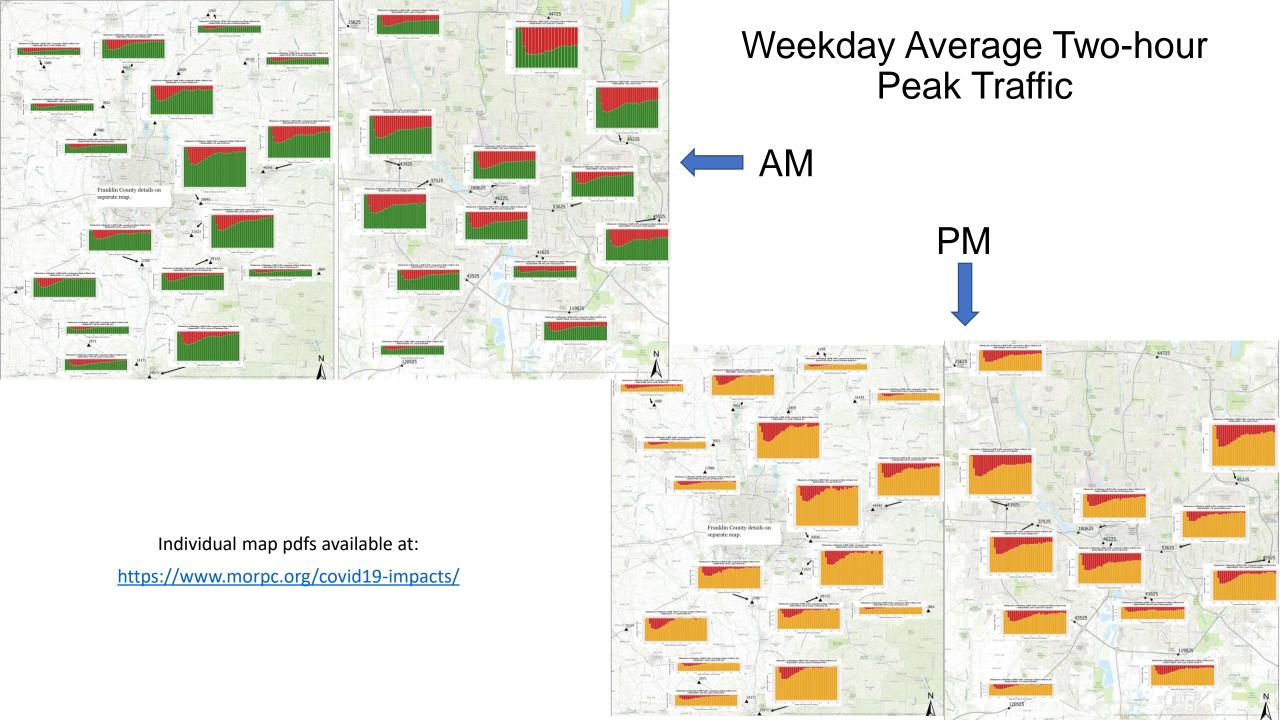










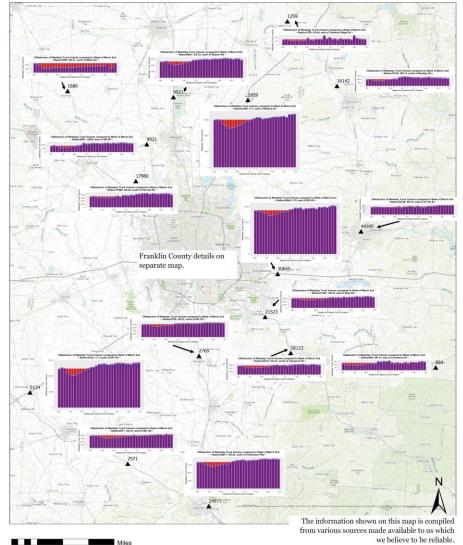


Average Daily Truck Volumes 2020

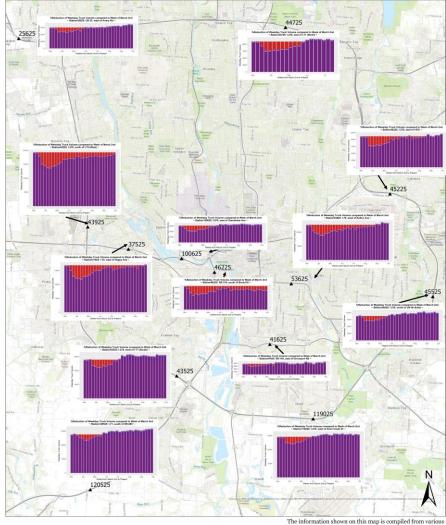
15 County Region: Average Weekday Truck Volumes and

Percent Reduction from 1st week of March

Week of March 2 through Present



Franklin Co: Weekly Average Truck Volume and Percent Reduction from 1st Week of March Week of March 2 through Present



Mi

ne information shown on this map is compiled from various sources made available to us which we believe to be reliable.

0 0.5 1 2 3 4

Oct-05-2020

Data source: ODOT TDMS TMC

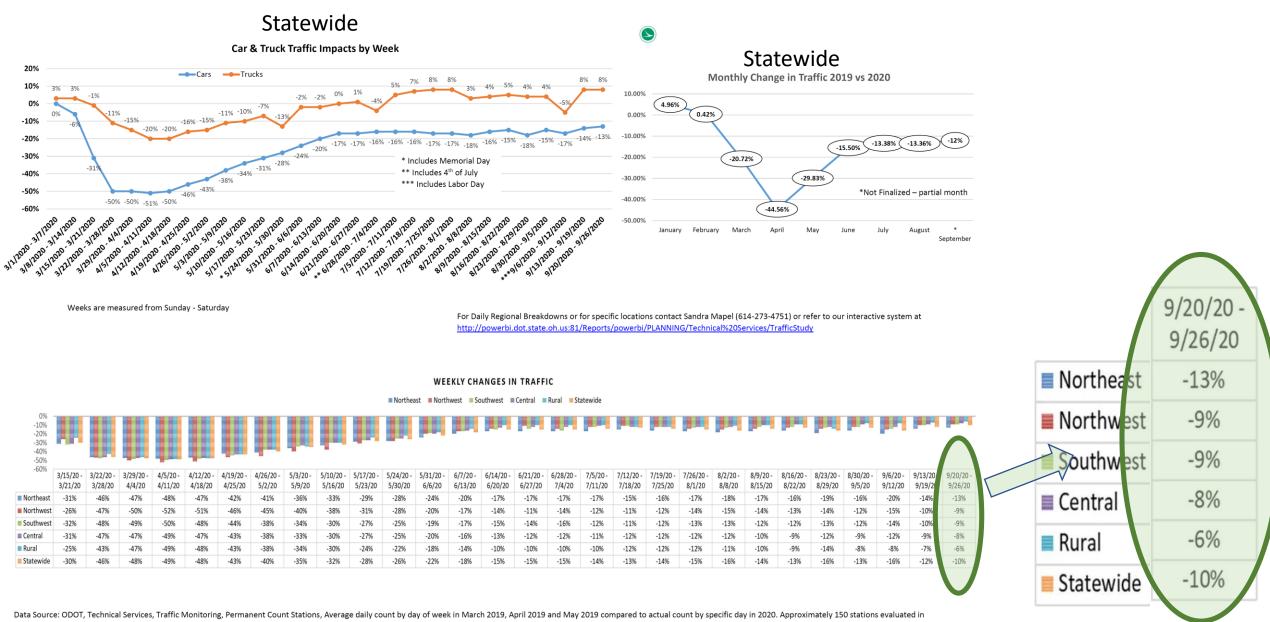
Oct-05-2020



FHWA Monthly Trends Report Percent change in Travel 2019 to 2020

	JAN	FEB	MAR	APR	ΜΑΥ	JUN	JUL
United States	2.2	2.3	-18.9	-40.1	-25.6	-13.2	-11.2
Ohio	7.5	0.8	-19.1	-39.2	-25.9	-10.1	-10.3
Illinois	4.9	-1.3	-19.8	-40.2	-29.7	-15.9	-11.7
Indiana	5.3	-1.0	-18.8	-40.0	-23.8	-8.6	-7.3
West Virginia	-0.3	-3.3	-20.3	-40.4	-25.3	-12.8	-11.6
Pennsylvania	4.7	4.5	-19.2	-46.5	-30.3	-15.5	-13.1
Kentucky	5.7	0.6	-16.7	-35.9	-22.7	-9.7	-8.4

ODOT Regional Traffic Analysis



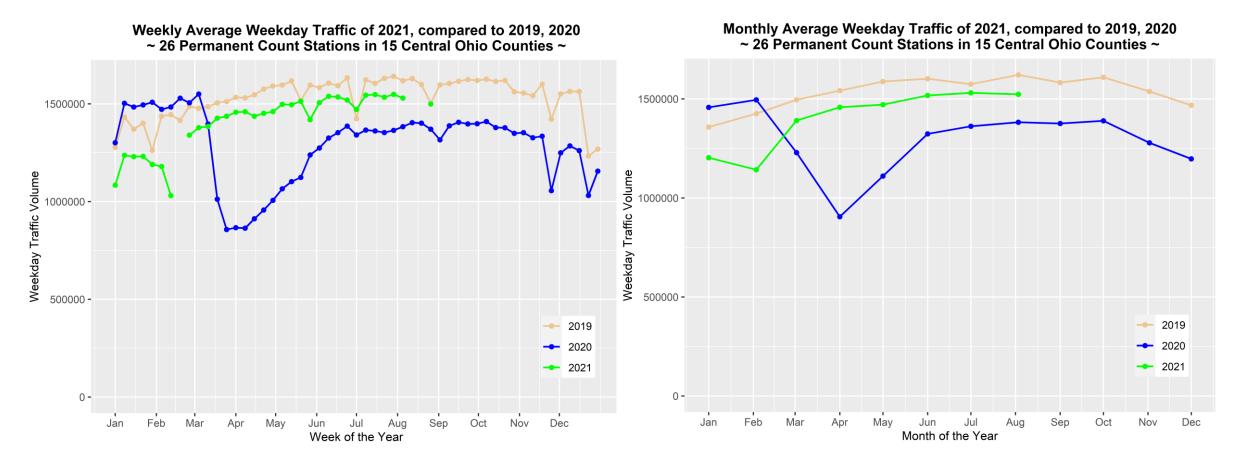
calculating percent change in travel. Data is preliminary until all locations have been collected and finalized.

Some up to most current count data



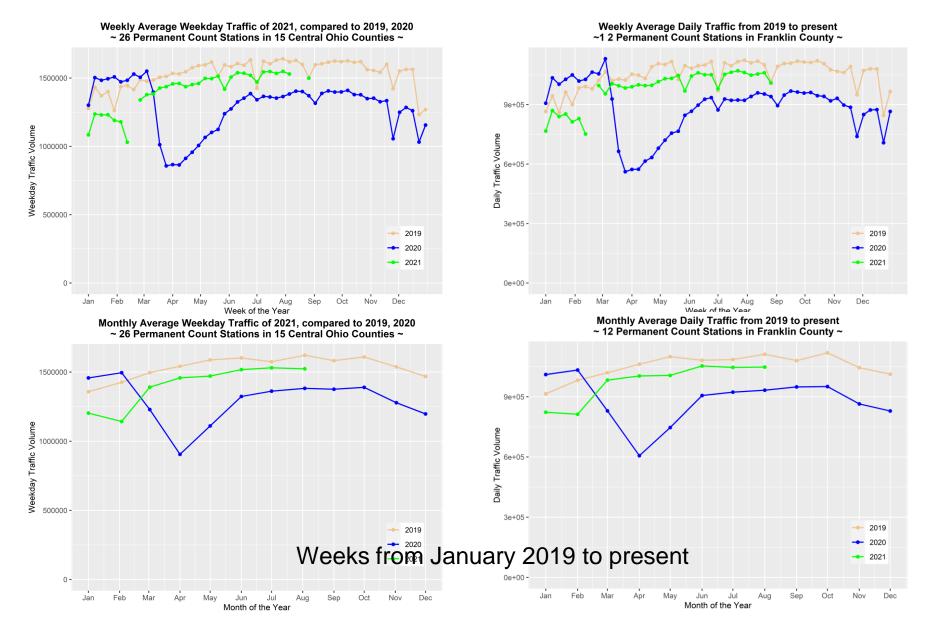


Weekday Average Daily Traffic

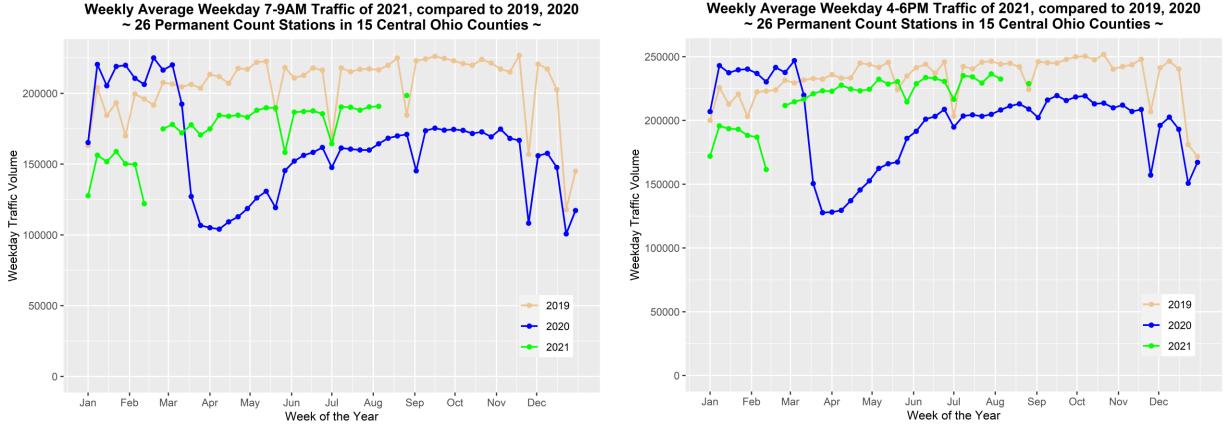


Weeks from January 2019 to present

Weekday Average Daily Traffic

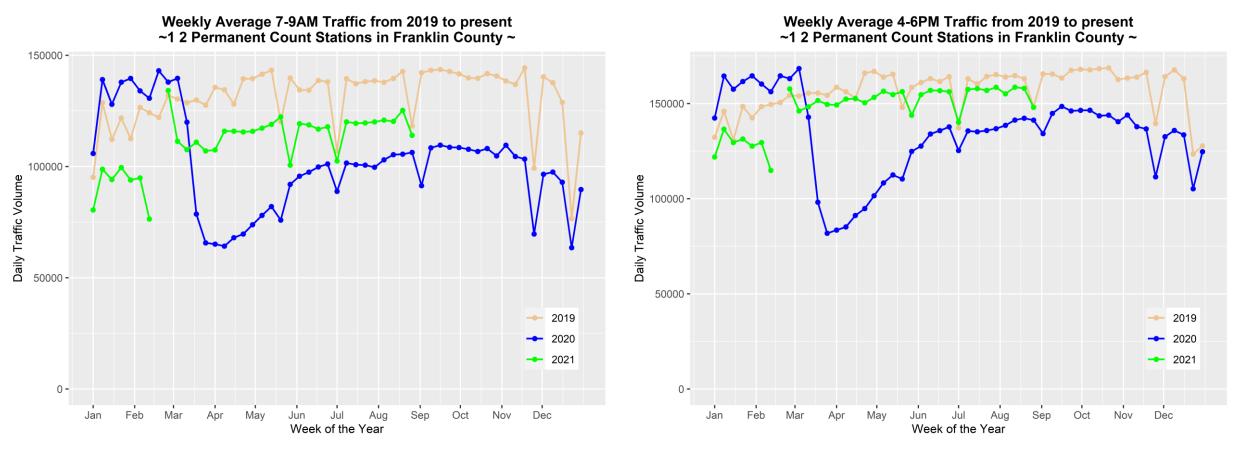


Weekday - Average Daily Traffic – Peak Period – 15 Counties



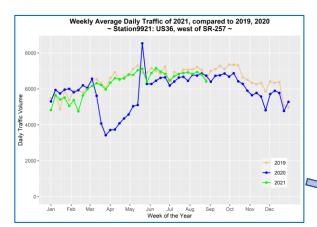
Weeks from January 2019 to present

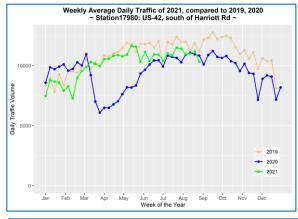
Weekday - Average Daily Traffic - Peak Period - Franklin County

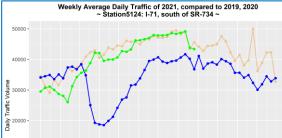


Weeks from January 2019 to present

Average Daily Traffic Comparison: 2019, 2020, 2021



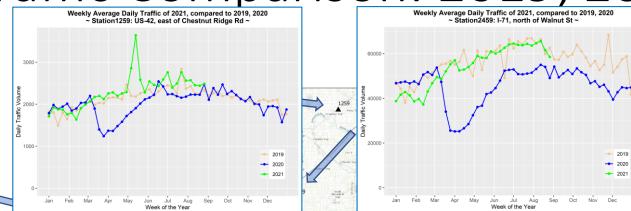


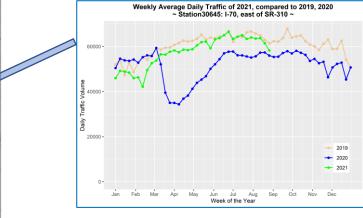


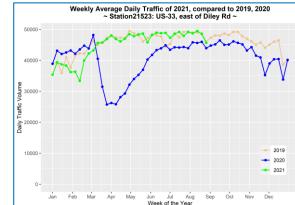
10000

2019

2020
2021







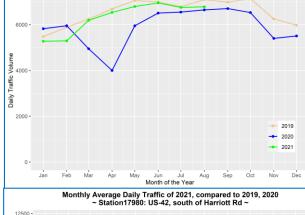
iner for iner f

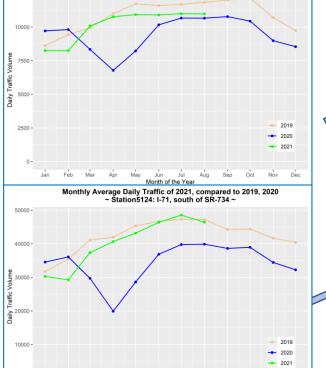
Weeks from January 2019 to present

Franklin County stations on

separate map.



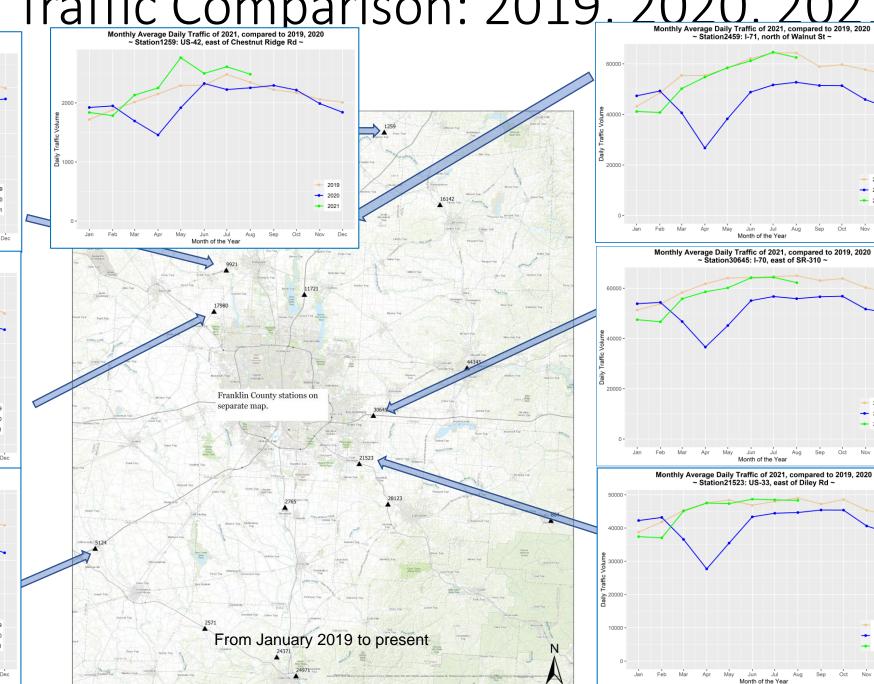




Month of the Year

Nov

Jan Feb



2019

2021

2019

- 2020

- 2021

2019

- 2020

- 2021

- 2020

Nov

Average Traffic Comparison: 2019, 2020, 2021-7 Monthly 7-9AM Traffic of 2021, compared to 2019, 2020 ~ Station53625: I-70, west of Kelton Ave ~

2019

2019

- 2020

202

2019 - 2020

- 202

- 2020

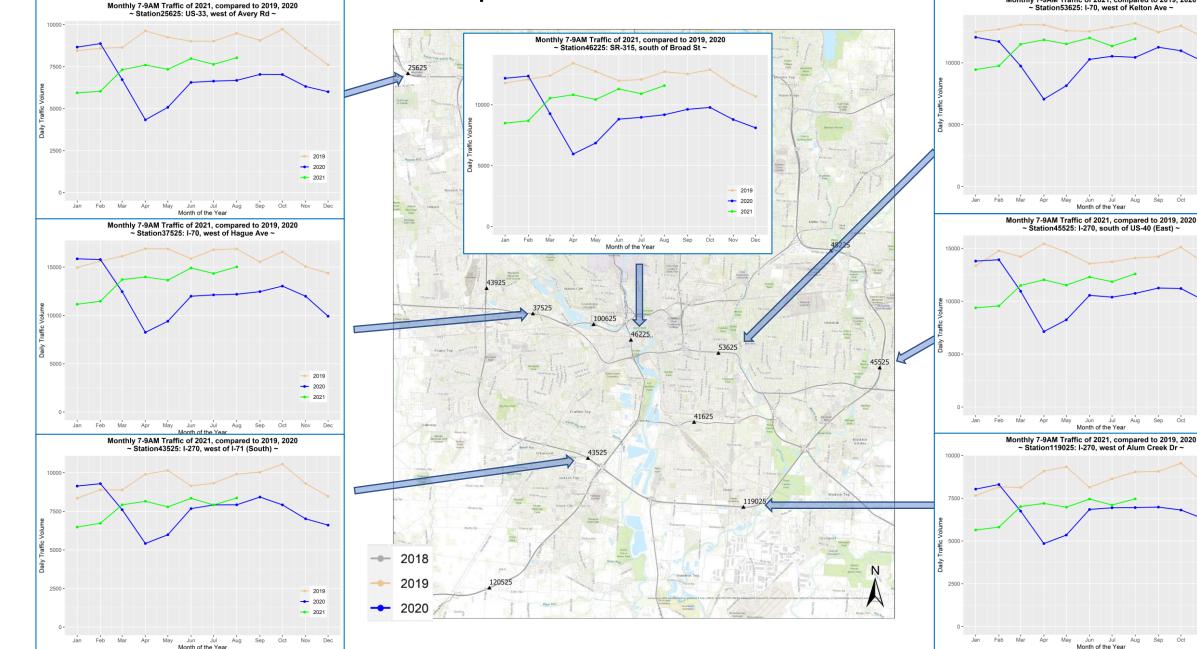
- 202

~ Station45525: I-270, south of US-40 (East) -

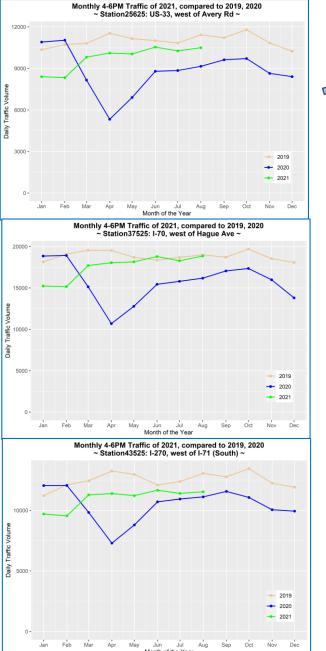
Month of the Yea

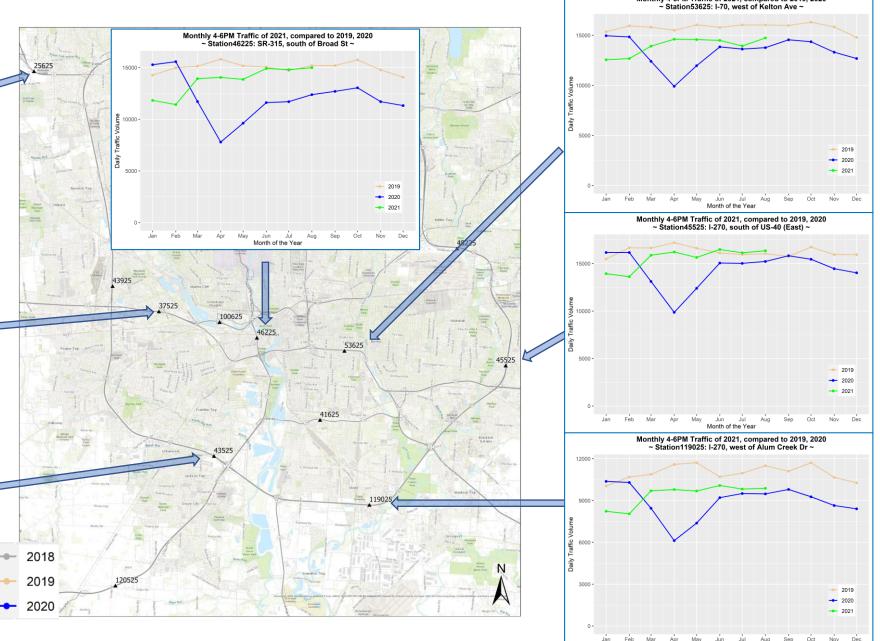
Anr May Jun .lul Aug Sen Oct Nov Der

Month of the Year



Average Traffic Comparison: 2019, 2020, 2021-4-6PM

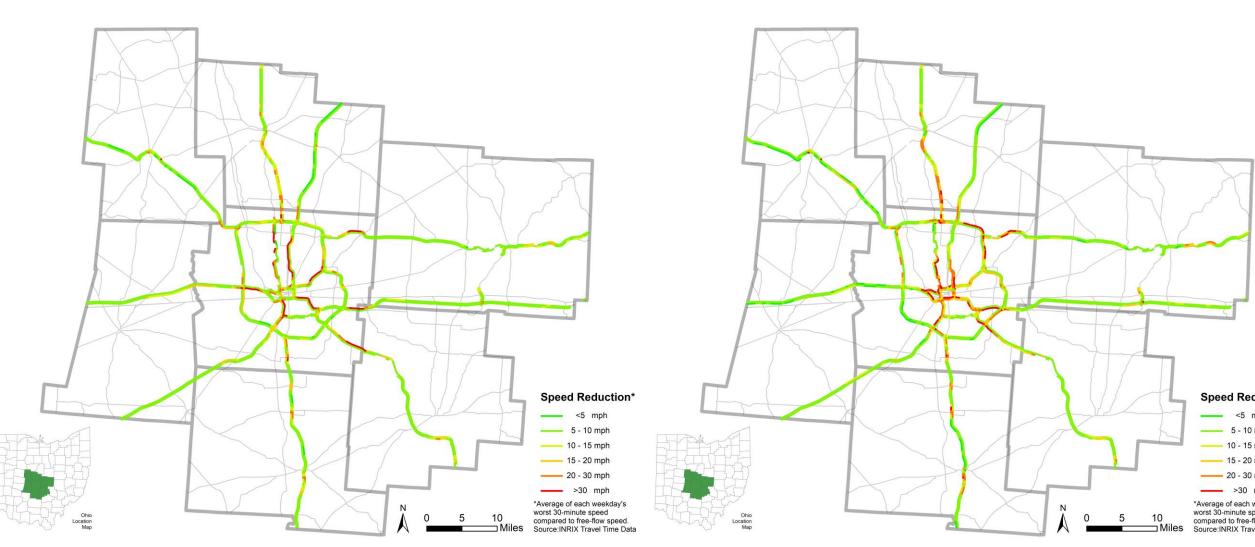




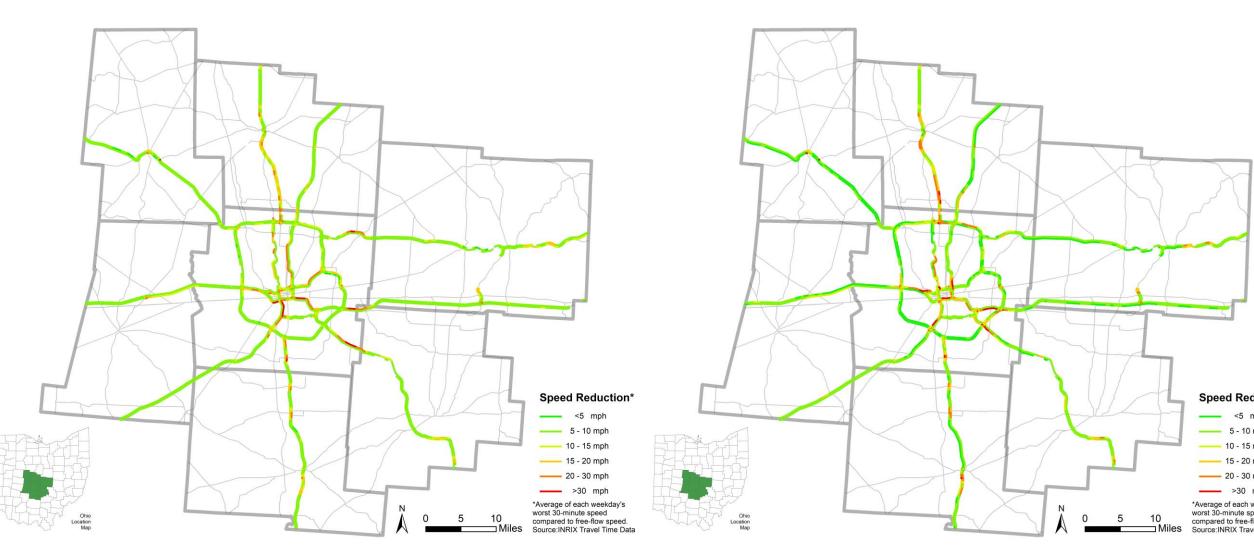
Month of the Yea

From Traffic Volumes to Peak Period Congestion

AM



AM



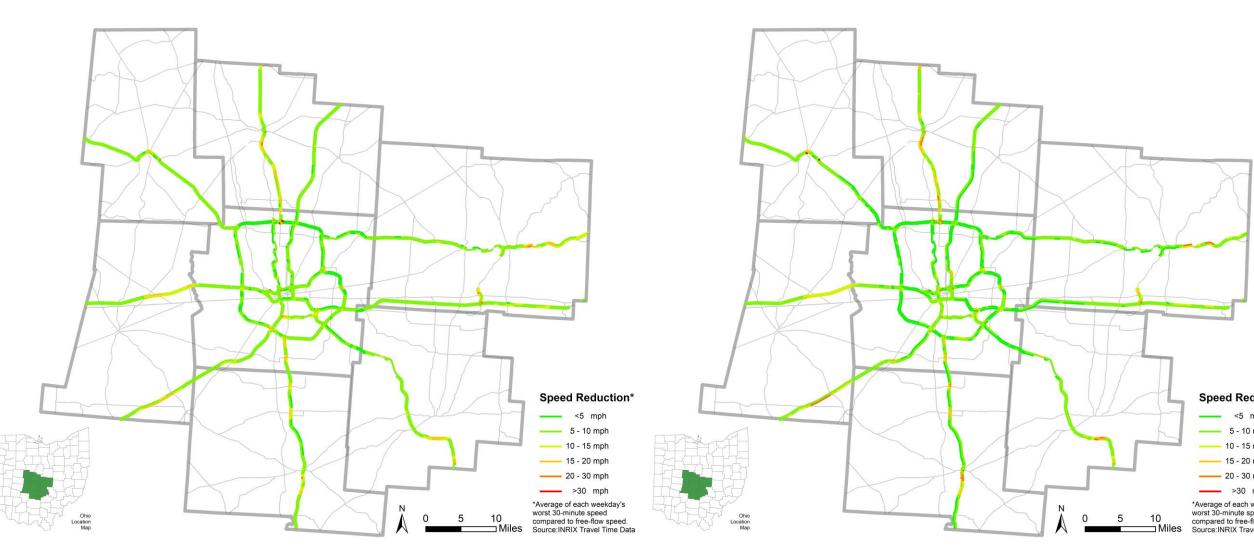
AM



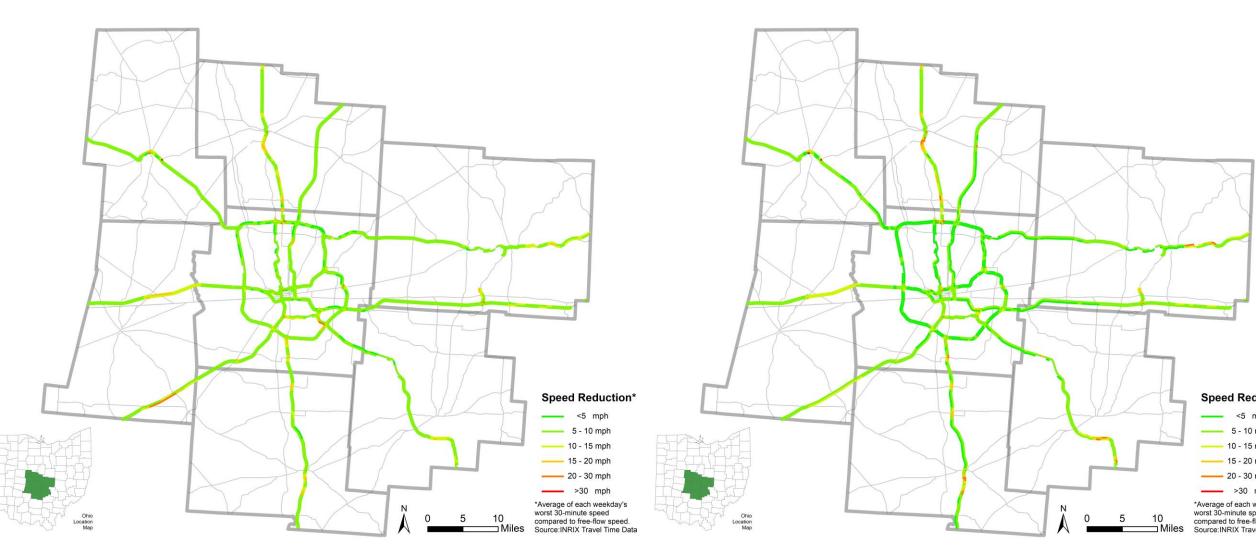
AM



AM



AM



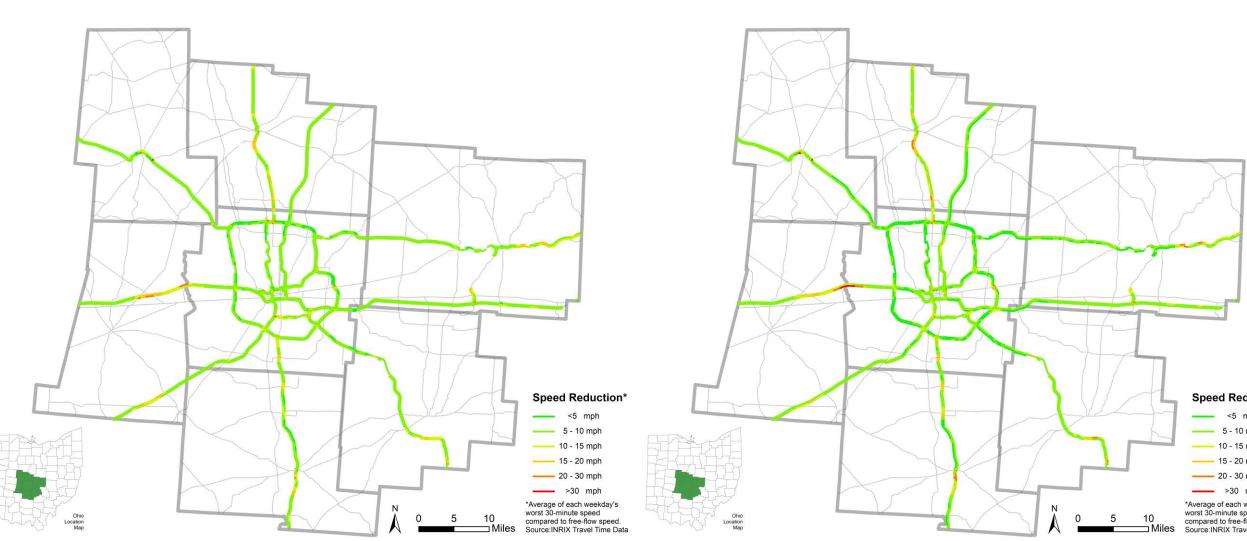
AM



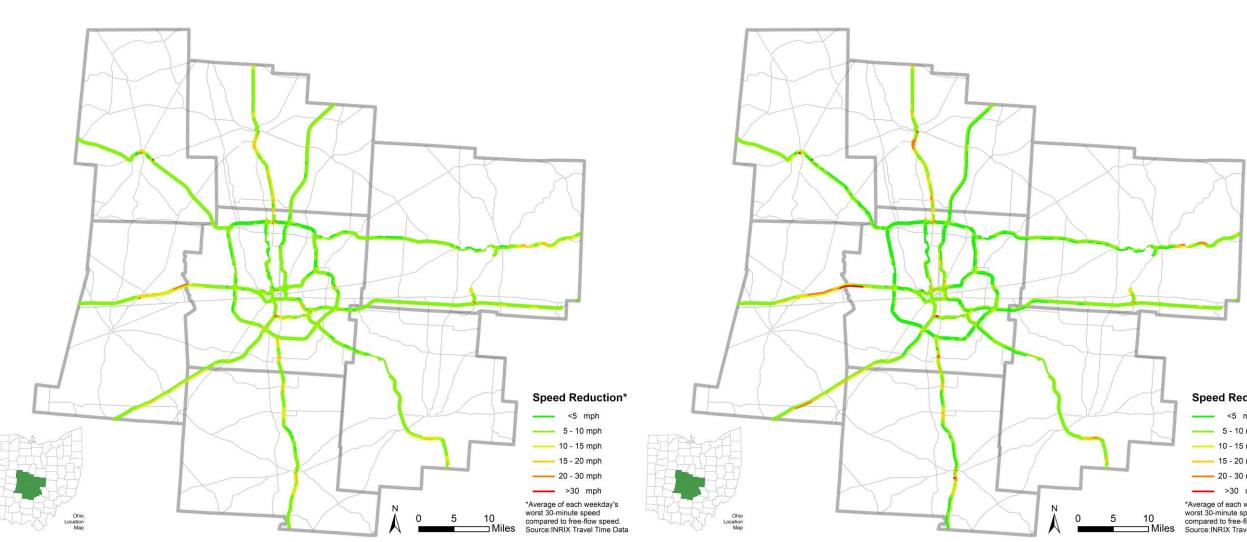
AM



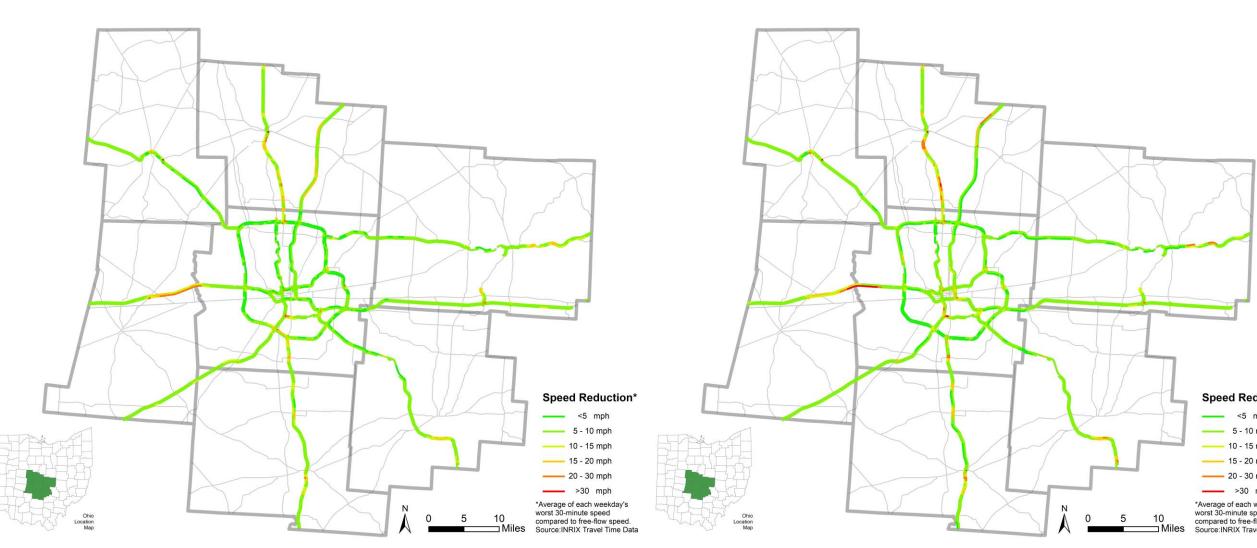
AM



AM



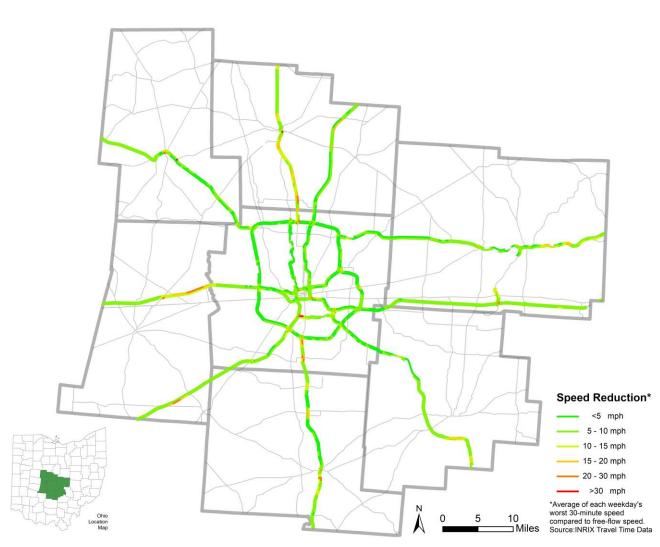
AM

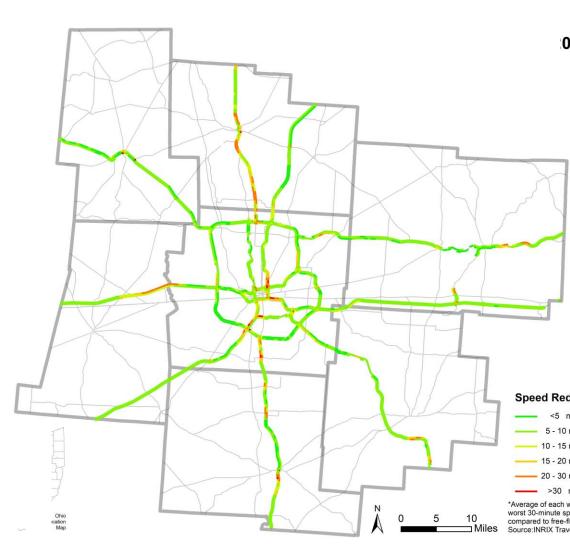


AM

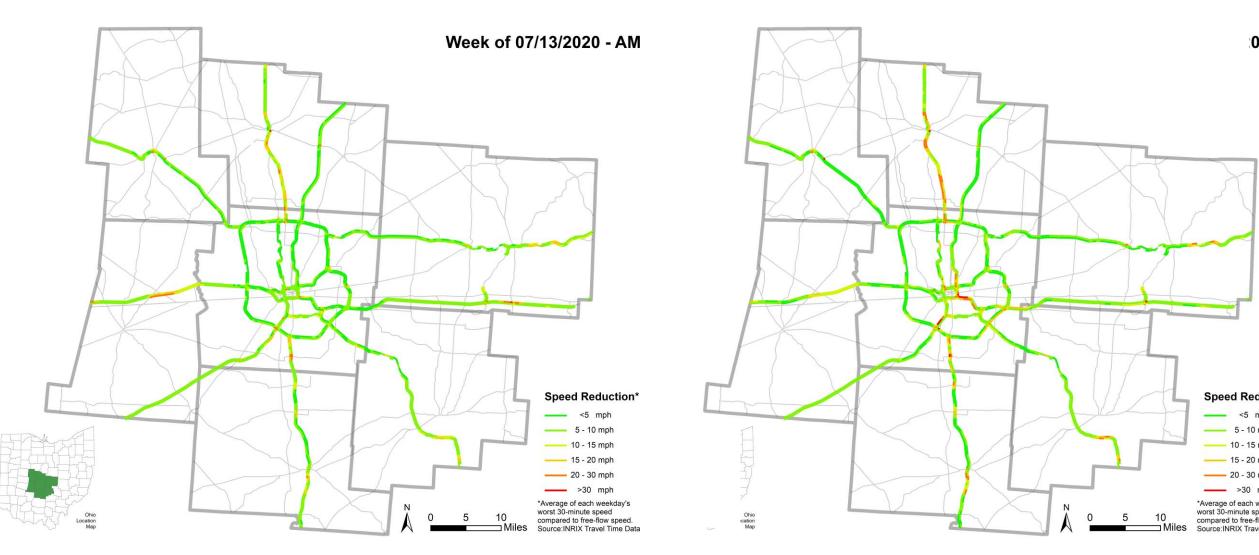


AM

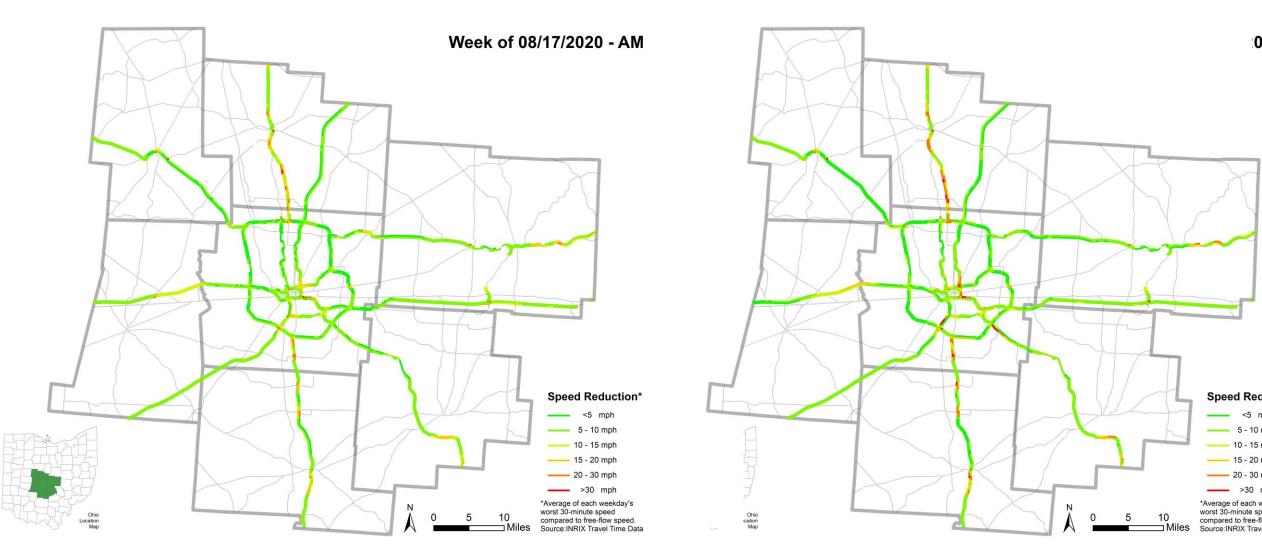




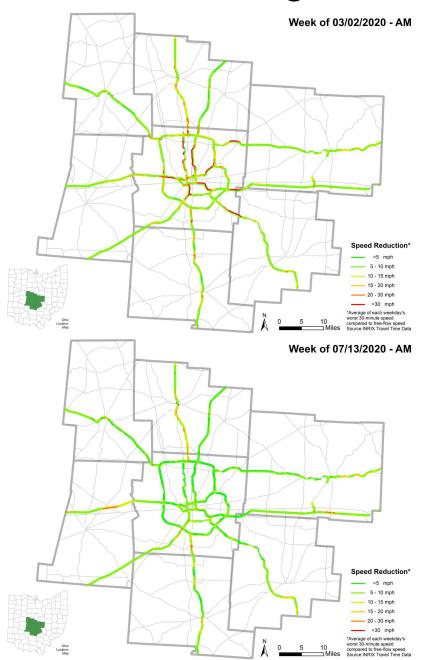
AM

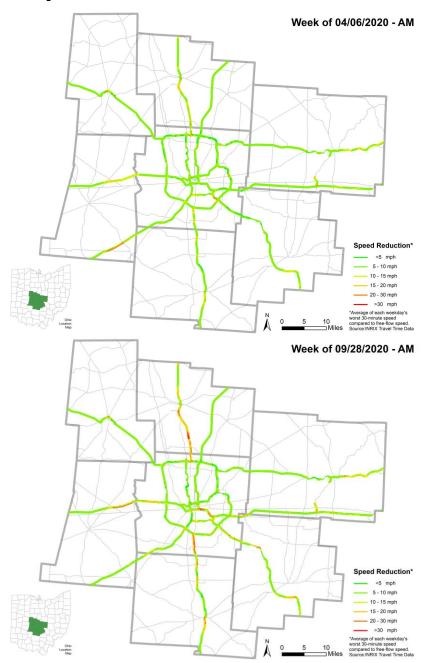


AM

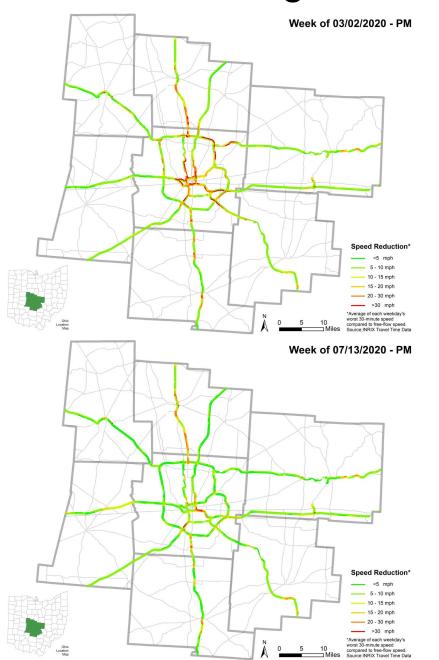


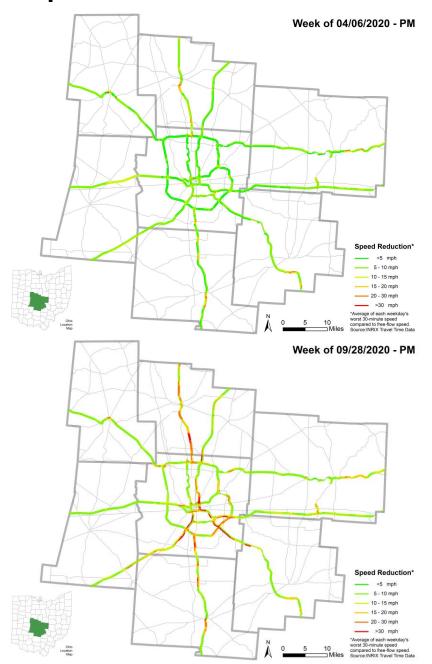
Congested AM Period Speed Reduction





Congested PM Period Speed Reduction

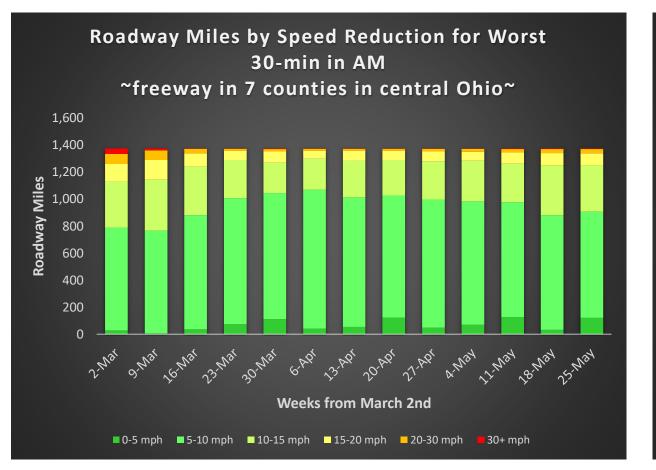




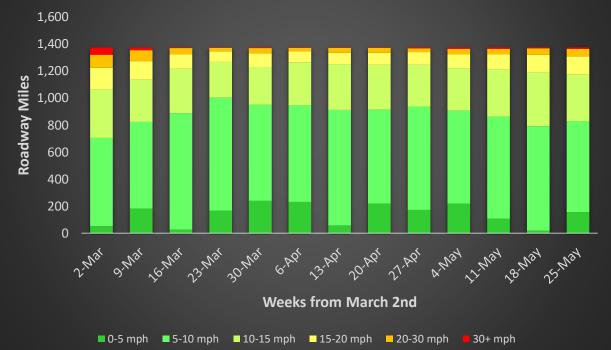
Congested Peak Period Speed Reduction Proportion of Miles – Freeways/Expressways

AM

ΡM



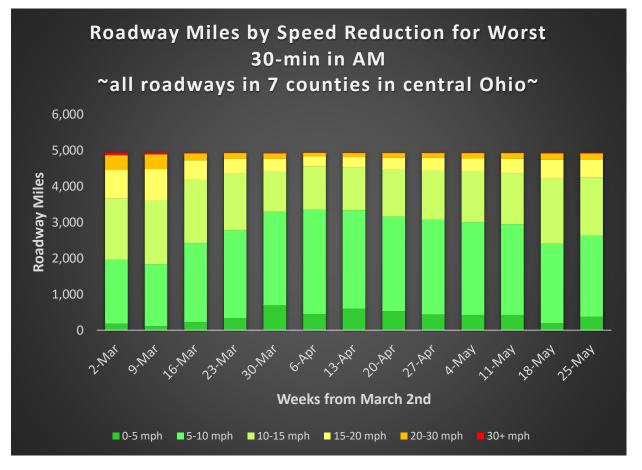
Roadway Miles by Speed Reduction for Worst 30-min in PM ~freeway in 7 counties in central Ohio~



Congested Peak Period Speed Reduction Proportion of Miles – All Roads with data

AM

ΡM



Roadway Miles by Speed Reduction for Worst 30-min in PM ~all roadways in 7 counties in central Ohio~

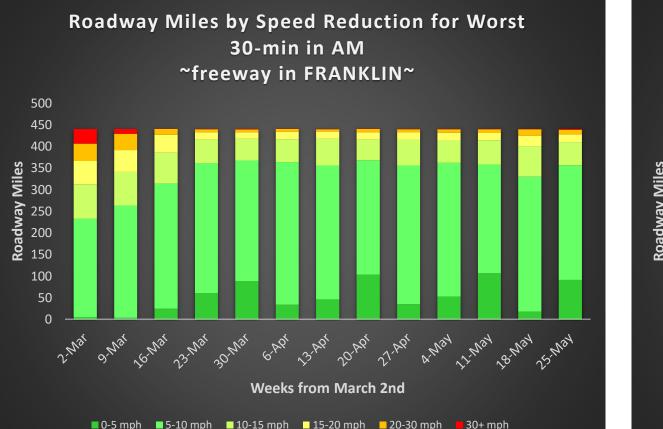




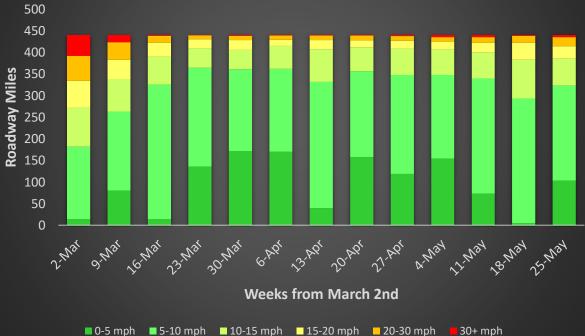
Congested Peak Period Speed Reduction Proportion of Miles – Freeways/Expressways – Franklin County

AM

ΡM



Roadway Miles by Speed Reduction for Worst 30-min in PM ~freeway in FRANKLIN~



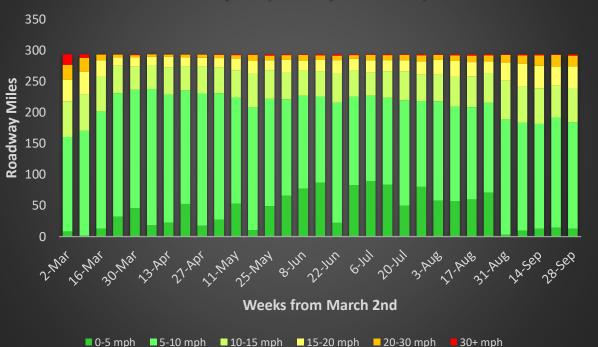
Congested Peak Period Speed Reduction Proportion of Miles – Freeways/Expressways Delaware & Franklin Counties

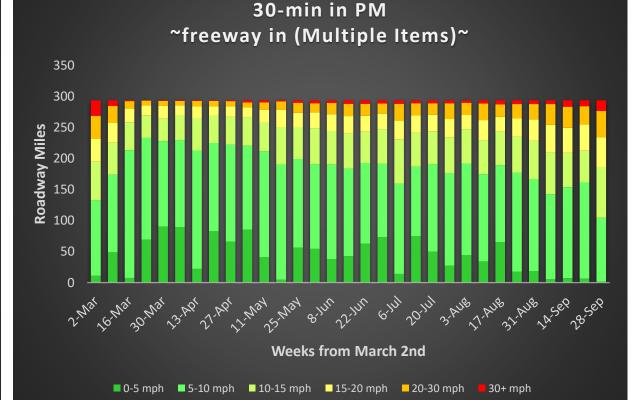
AM

ΡM

Roadway Miles by Speed Reduction for Worst

Roadway Miles by Speed Reduction for Worst 30-min in AM ~freeway in (Multiple Items)~





NICK GILL

Transportation & Infrastructure Development

Mid-Ohio Regional Planning Commission 111 Liberty Street, Suite 100 Columbus, OH 43215



Special Thanks to Zhuojun who made the process automated

And to

Yan Liu who picked it up over the last week to update the data and graphics to current