

# COVID-19

## *Regional Transportation System Impacts*

September 2020 Committee Meetings



MID-OHIO REGIONAL  
**MORPC**  
PLANNING COMMISSION

# IMPACT TRACKING



- Highway
- Air Travel
- Transit
- *Trails*
- *Air Quality*

# HIGHWAY

## COVID-19

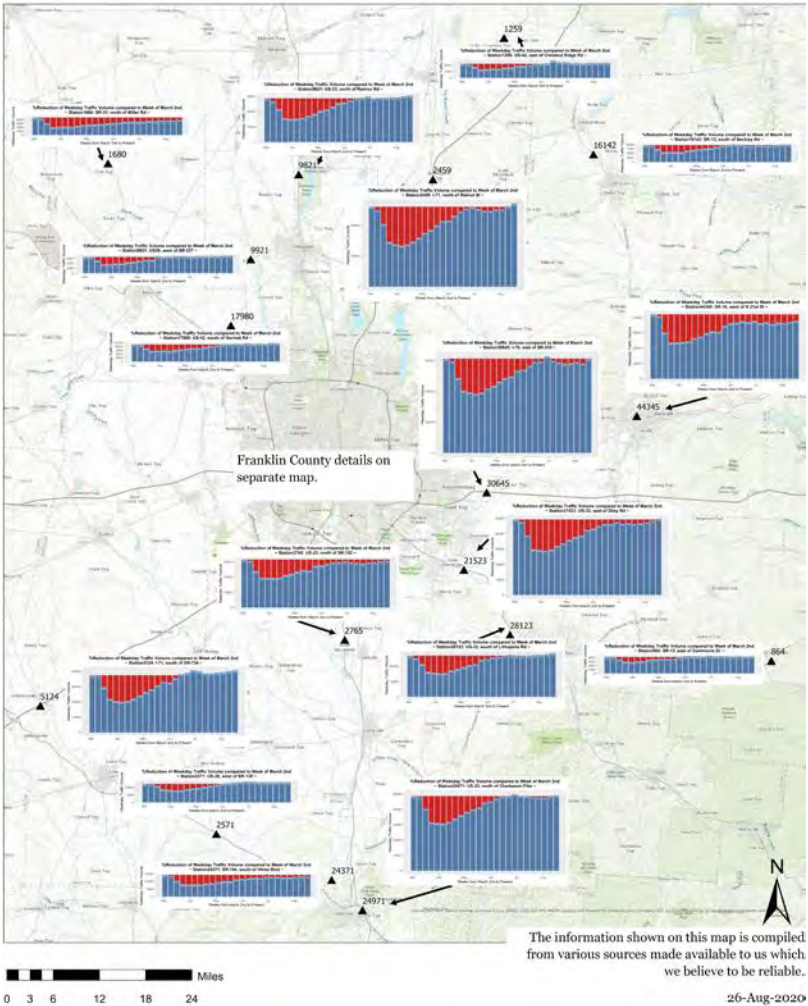
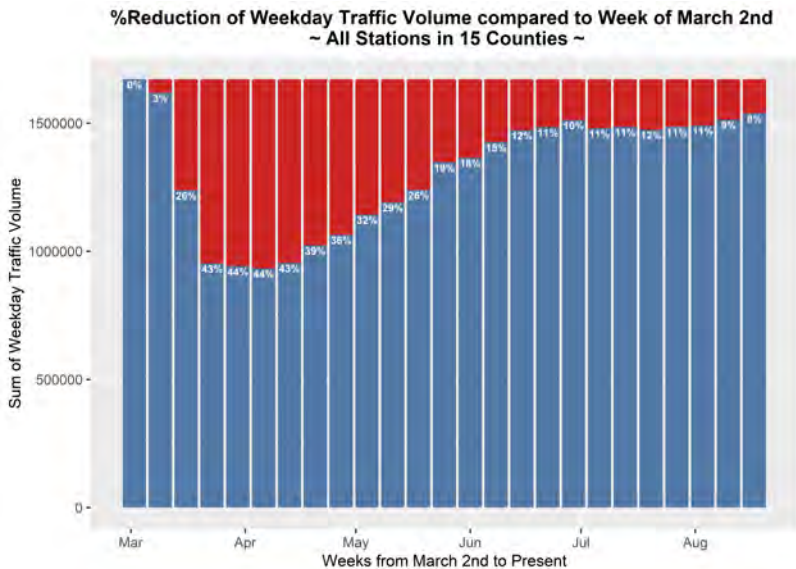
### *Regional Transportation System Impacts*



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PLANNING COMMISSION

# Weekday Average Daily Traffic

15 County Region: Average Weekday Traffic Volumes and  
Percent Reduction from 1st week of March  
Week of March 2 through Present



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

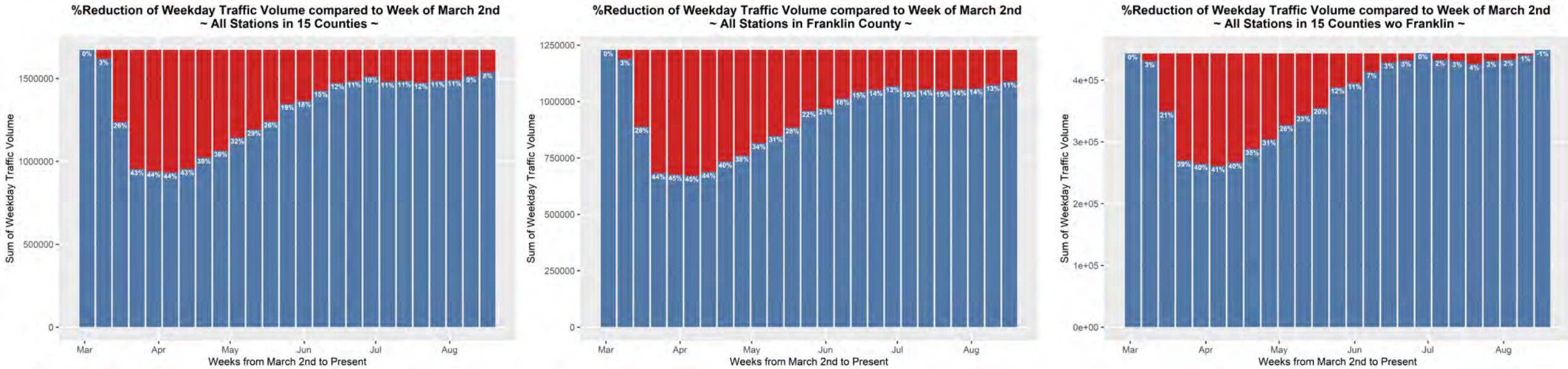


Data is based on 29 ODOT Permanent count stations throughout 15 counties in central Ohio

See Individual Maps

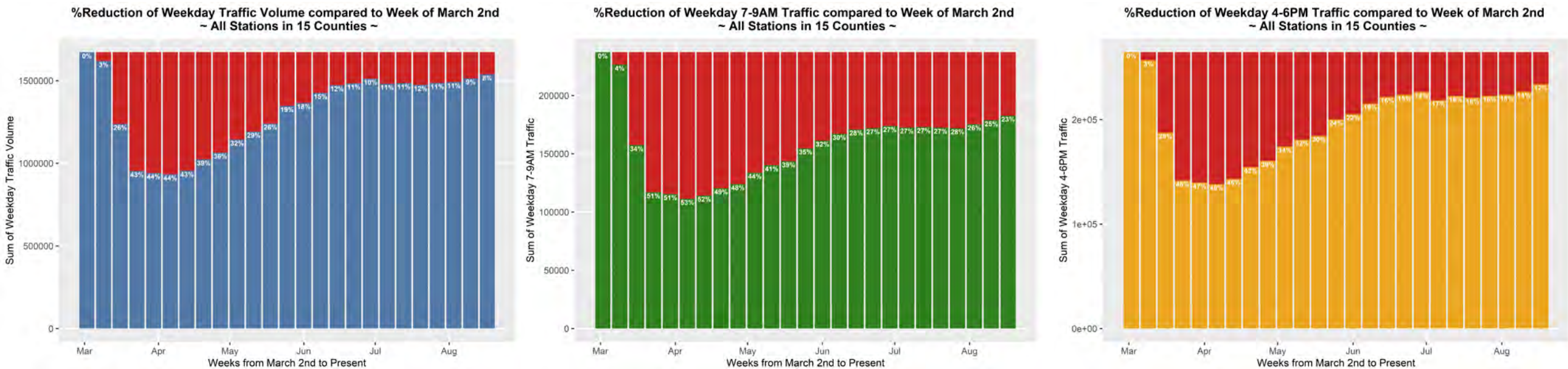


# Weekday Average Daily Traffic



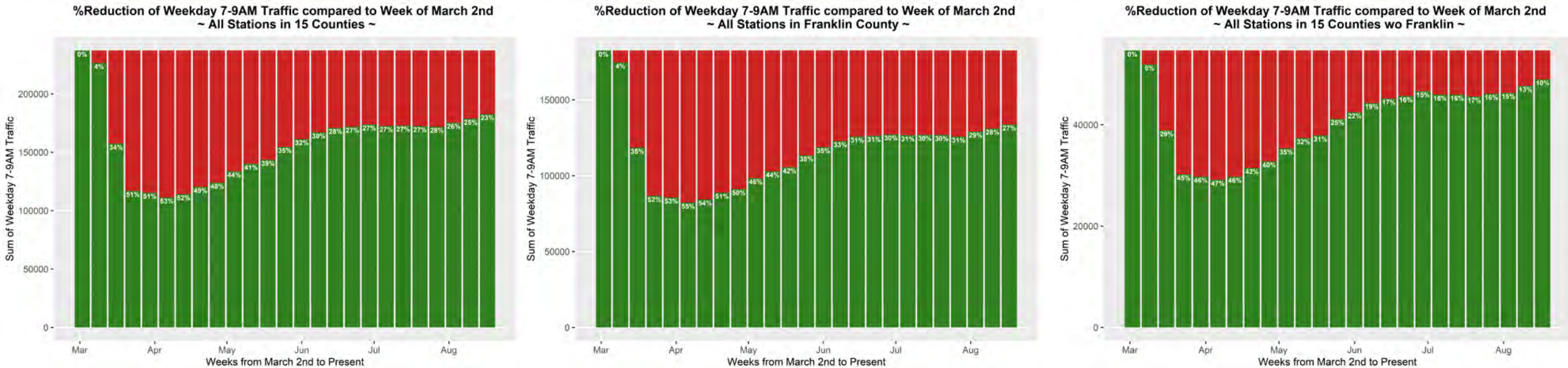
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# Weekday - Average Daily Traffic – AM Period – PM Period



Data is based on 29 ODOT Permanent count stations throughout 15 counties in central Ohio

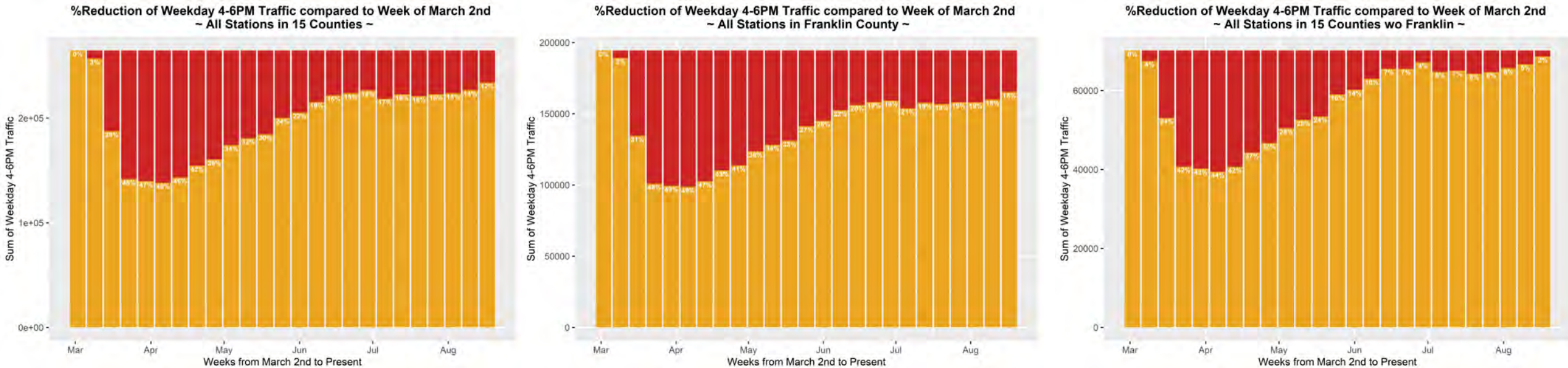
# Weekday AM Peak Period



Data is based on 29 ODOT Permanent count stations throughout 15 counties in central Ohio



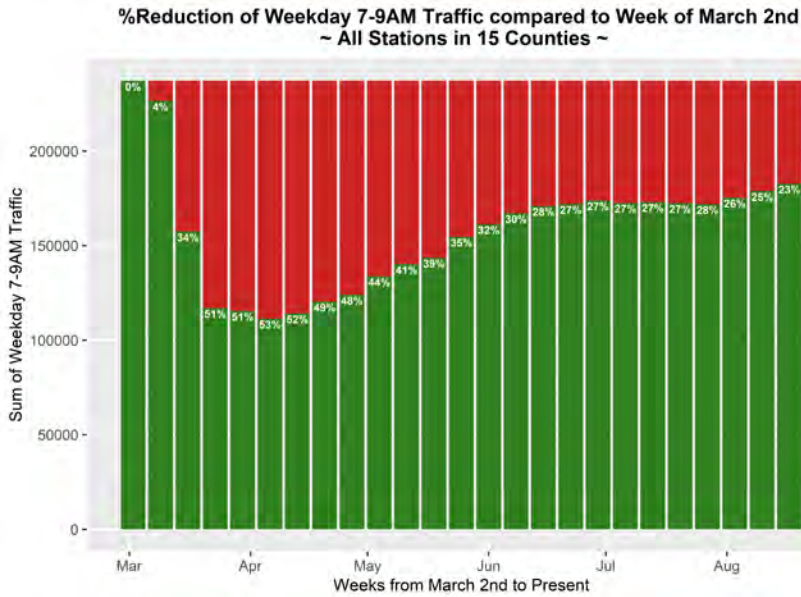
# Weekday PM Peak Period



Data is based on 29 ODOT Permanent count stations throughout 15 counties in central Ohio

# Weekday Average Two-hour AM Peak Traffic

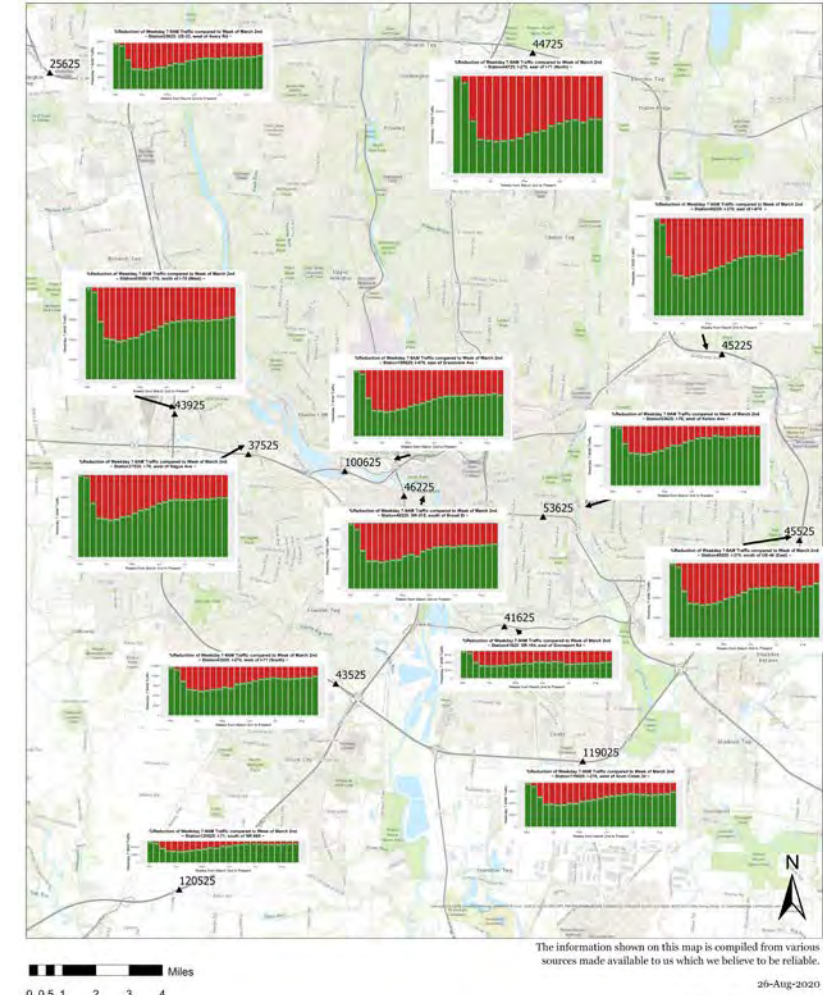
15 County Region: Average AM Peak Traffic Volumes and  
Percent Reduction from 1st week of March  
Week of March 2 through Present



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

Data source: ODOT TDMS TMC

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



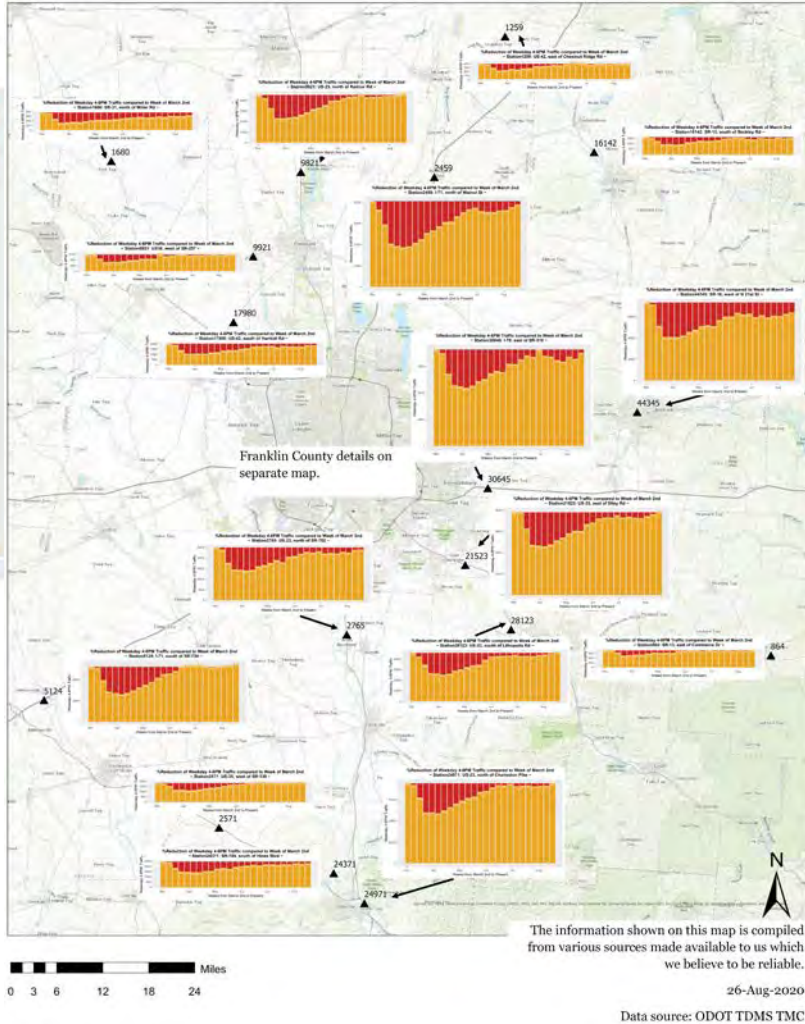
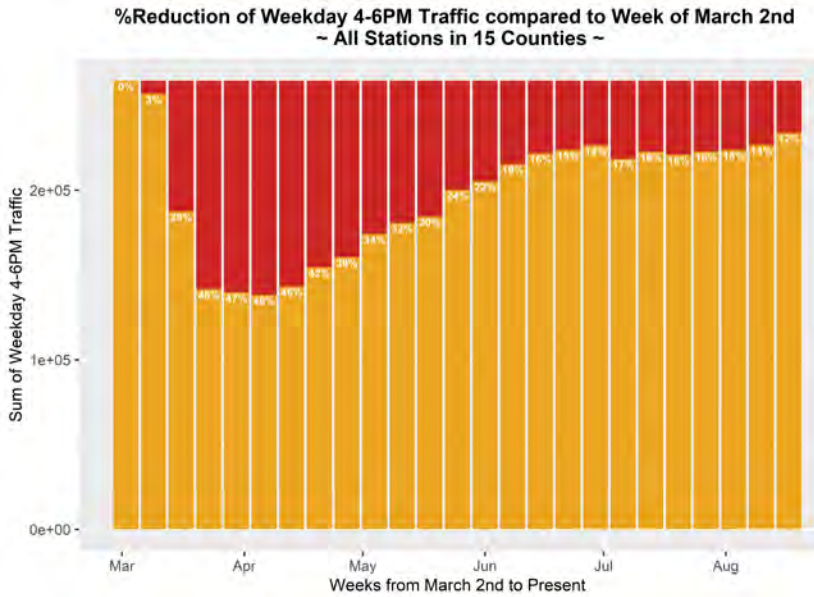
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Data source: ODOT TDMS TMC

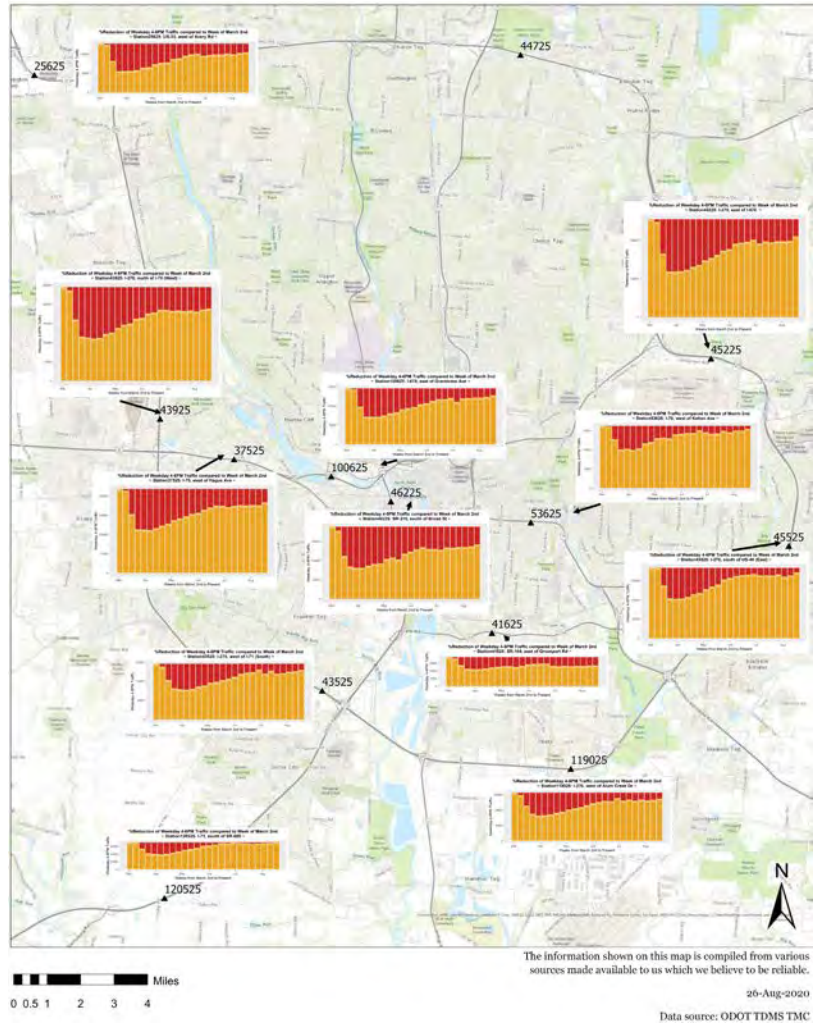


# Weekday Average Two-hour PM Peak Traffic

15 County Region: Average PM Peak Traffic Volumes and  
Percent Reduction from 1st week of March  
Week of March 2 through Present



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



# From Traffic Volumes to Peak Period Congestion

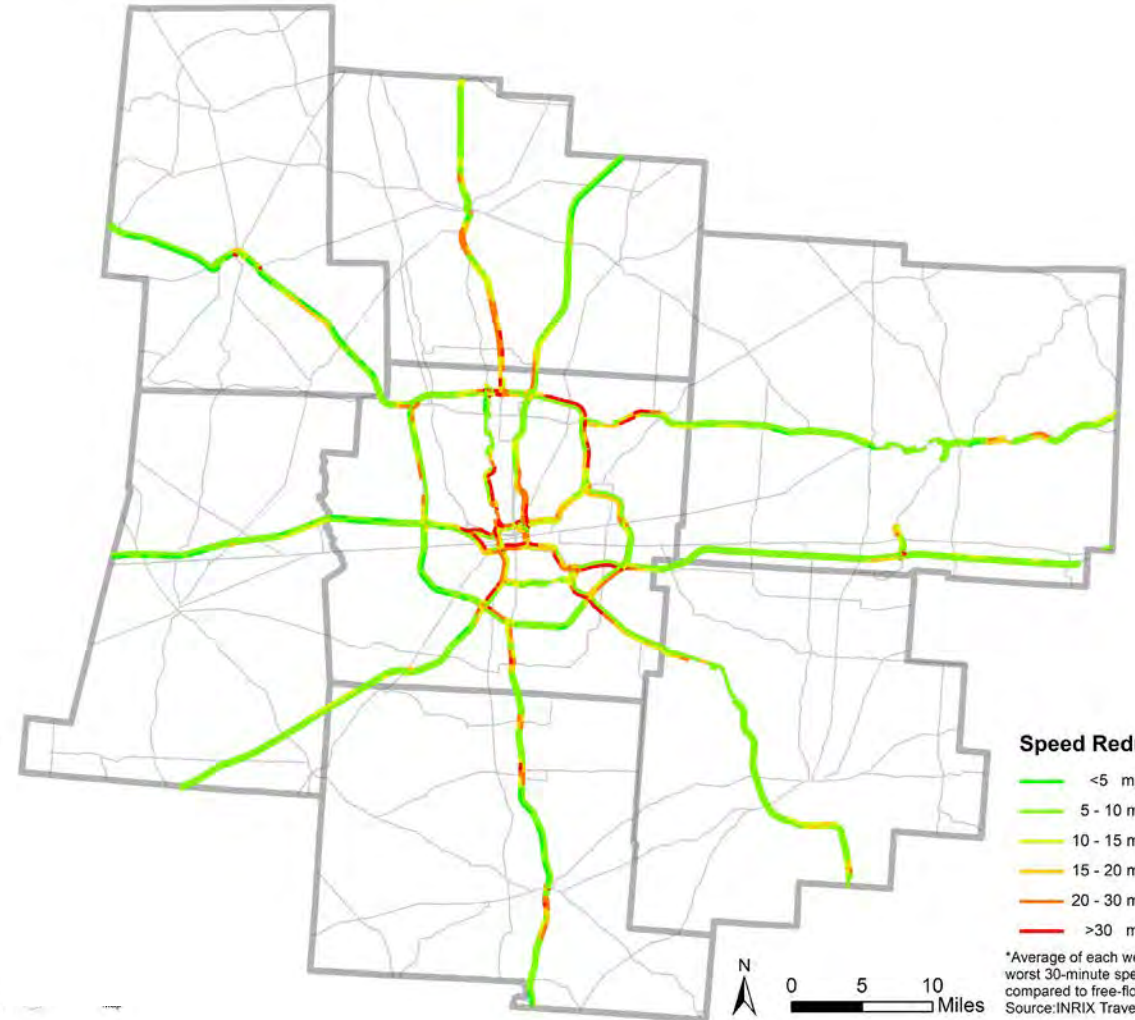


# Congested Peak Period Speed Reduction

## Week of March 2

AM

PM



# Congested Peak Period Speed Reduction

Week of March 9

AM

PM



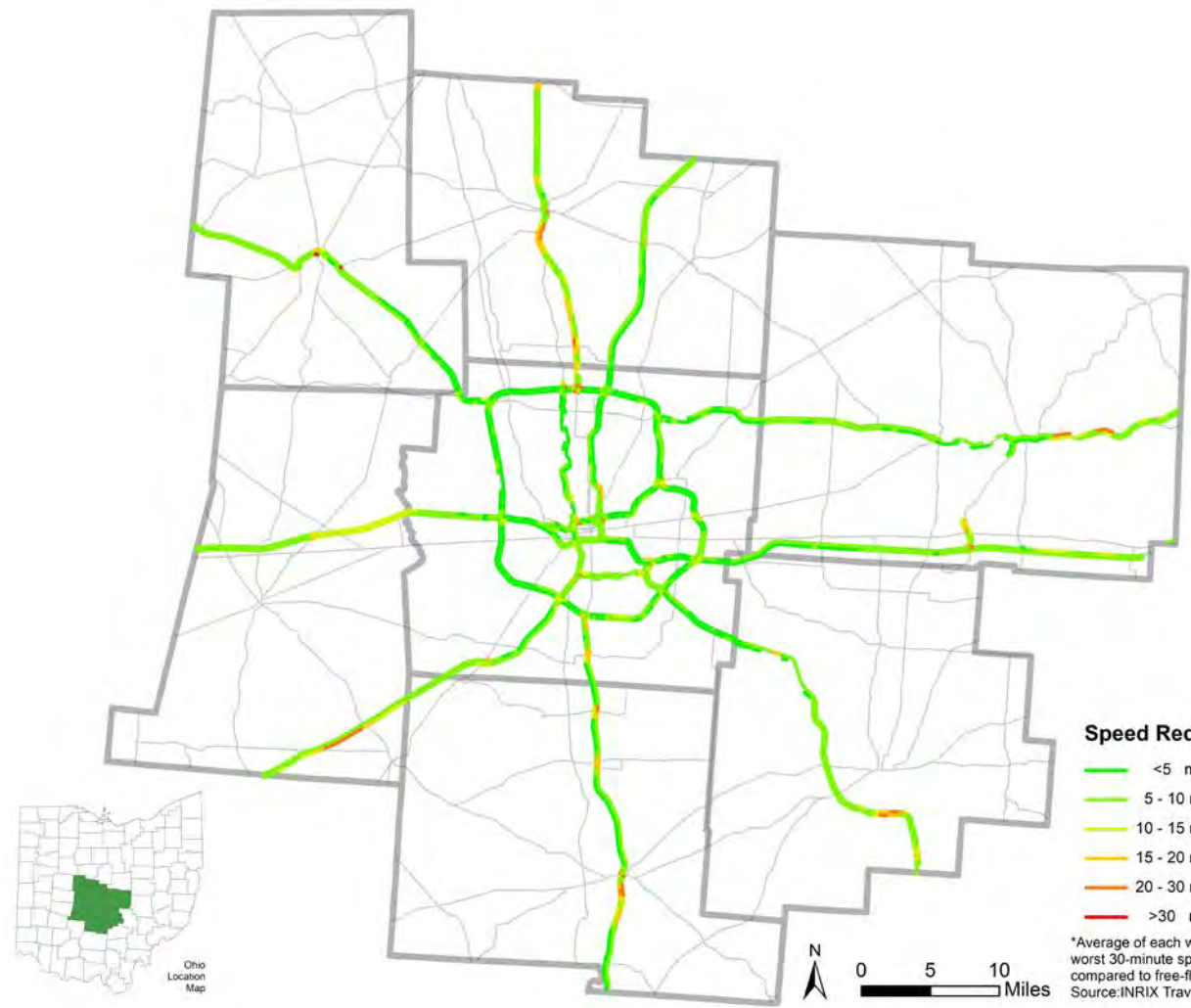
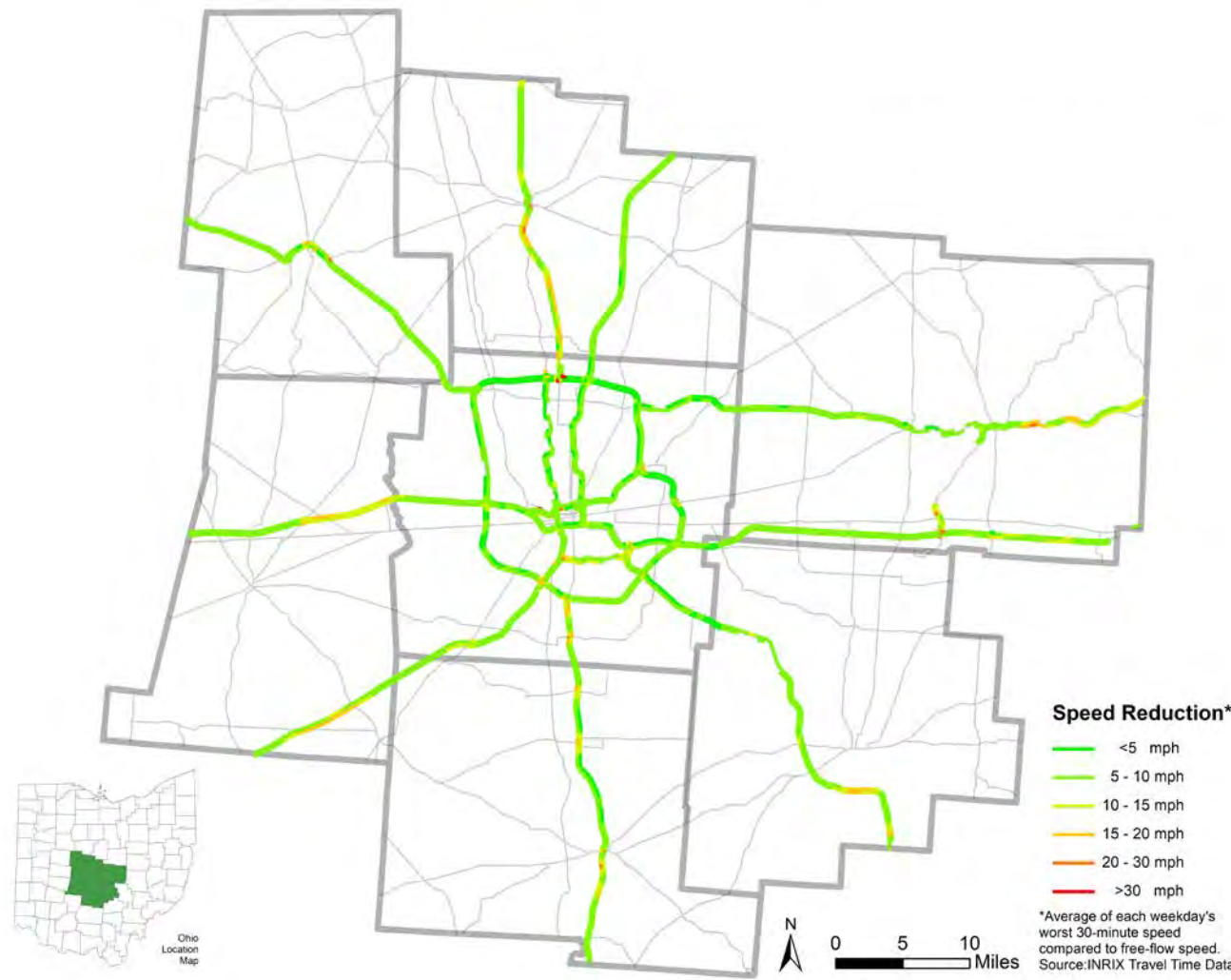


# Congested Peak Period Speed Reduction

Week of March 30

AM

PM



# Congested Peak Period Speed Reduction

## Week of April 6

AM

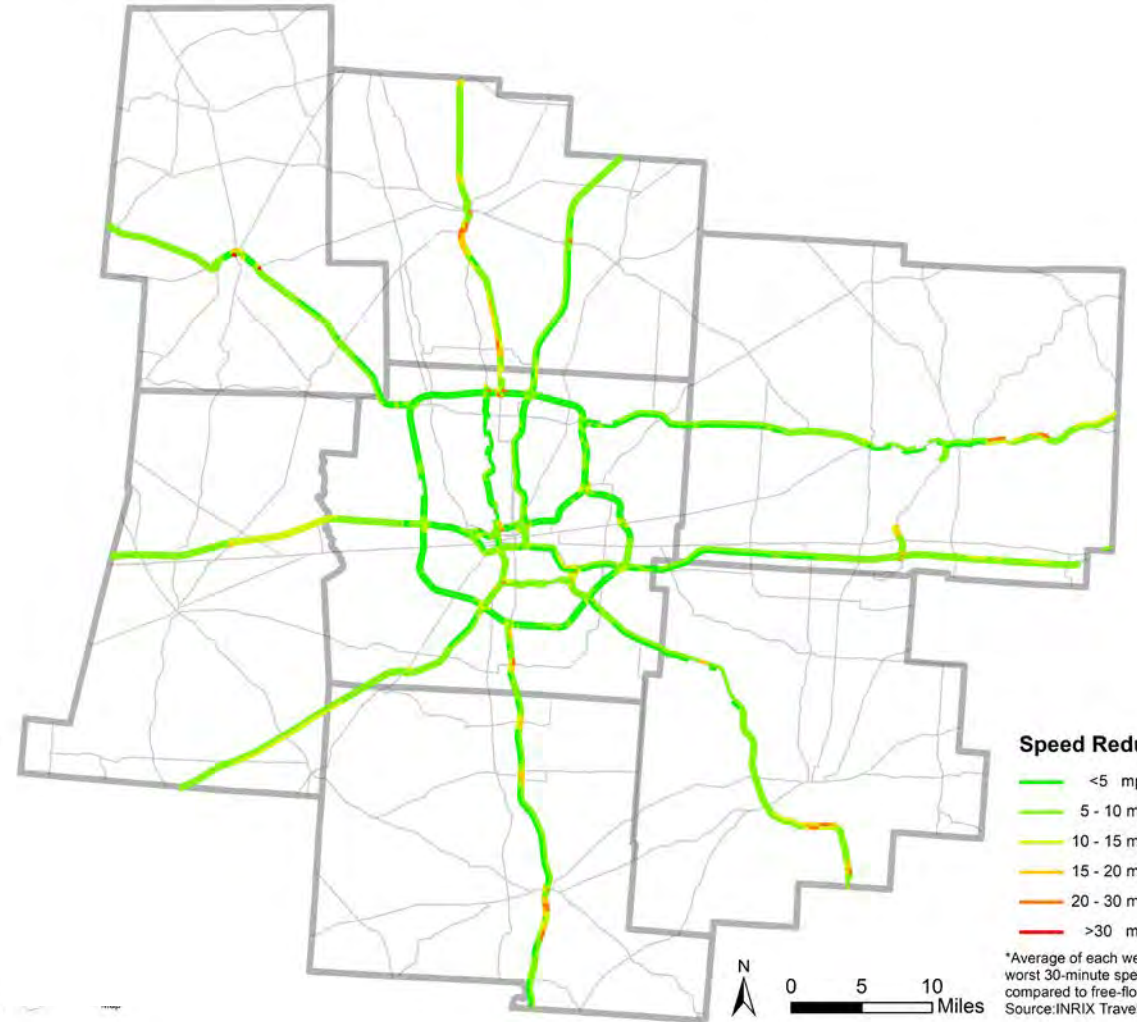
PM



### Speed Reduction\*

- <5 mph
- 5 - 10 mph
- 10 - 15 mph
- 15 - 20 mph
- 20 - 30 mph
- >30 mph

\*Average of each weekday's worst 30-minute speed compared to free-flow speed.  
Source: INRIX Travel Time Data



### Speed Reduction\*

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\*Average of each weekday's worst 30-minute speed compared to free-flow speed.  
Source: INRIX Travel Time Data



Ohio  
Location  
Map

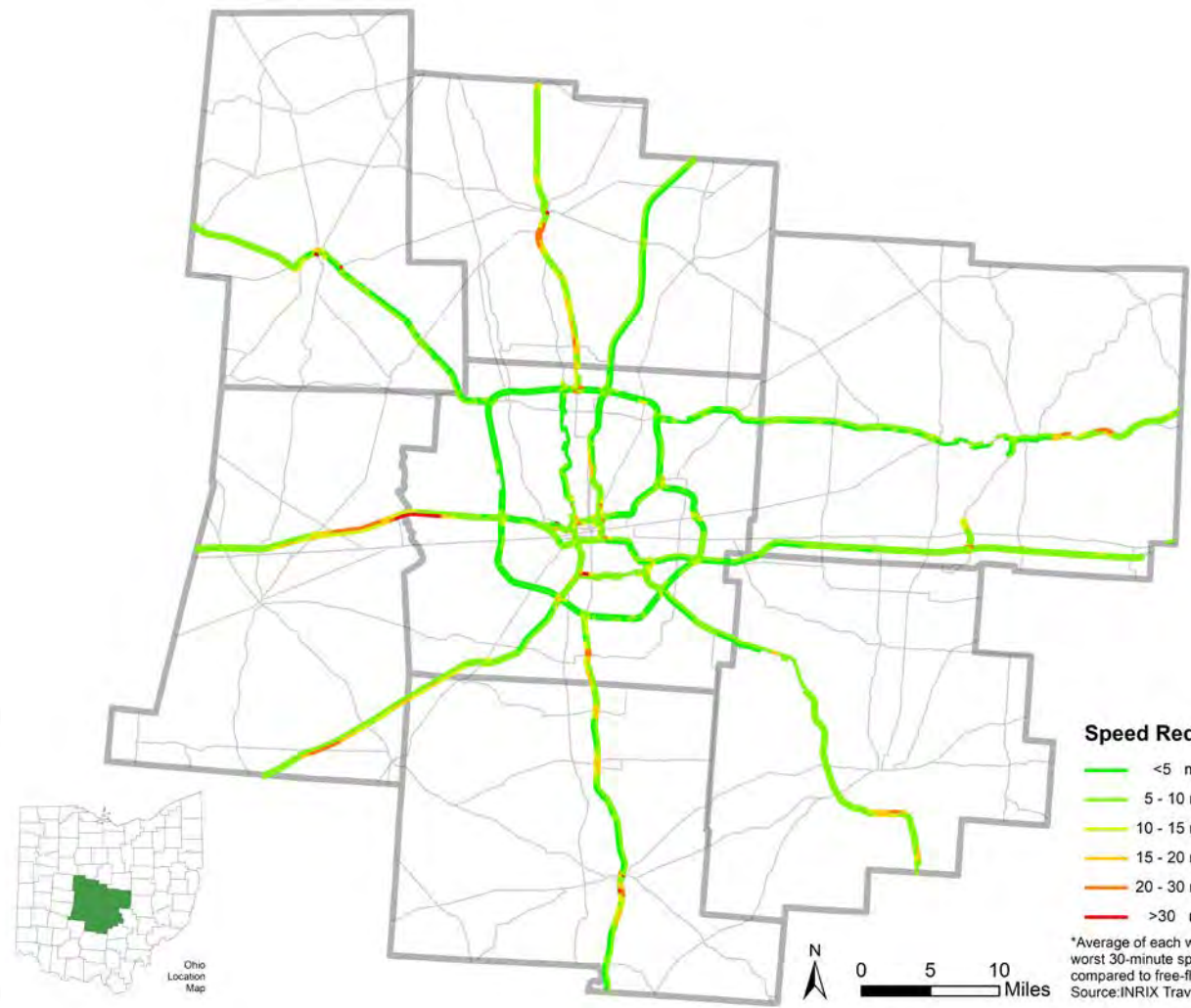
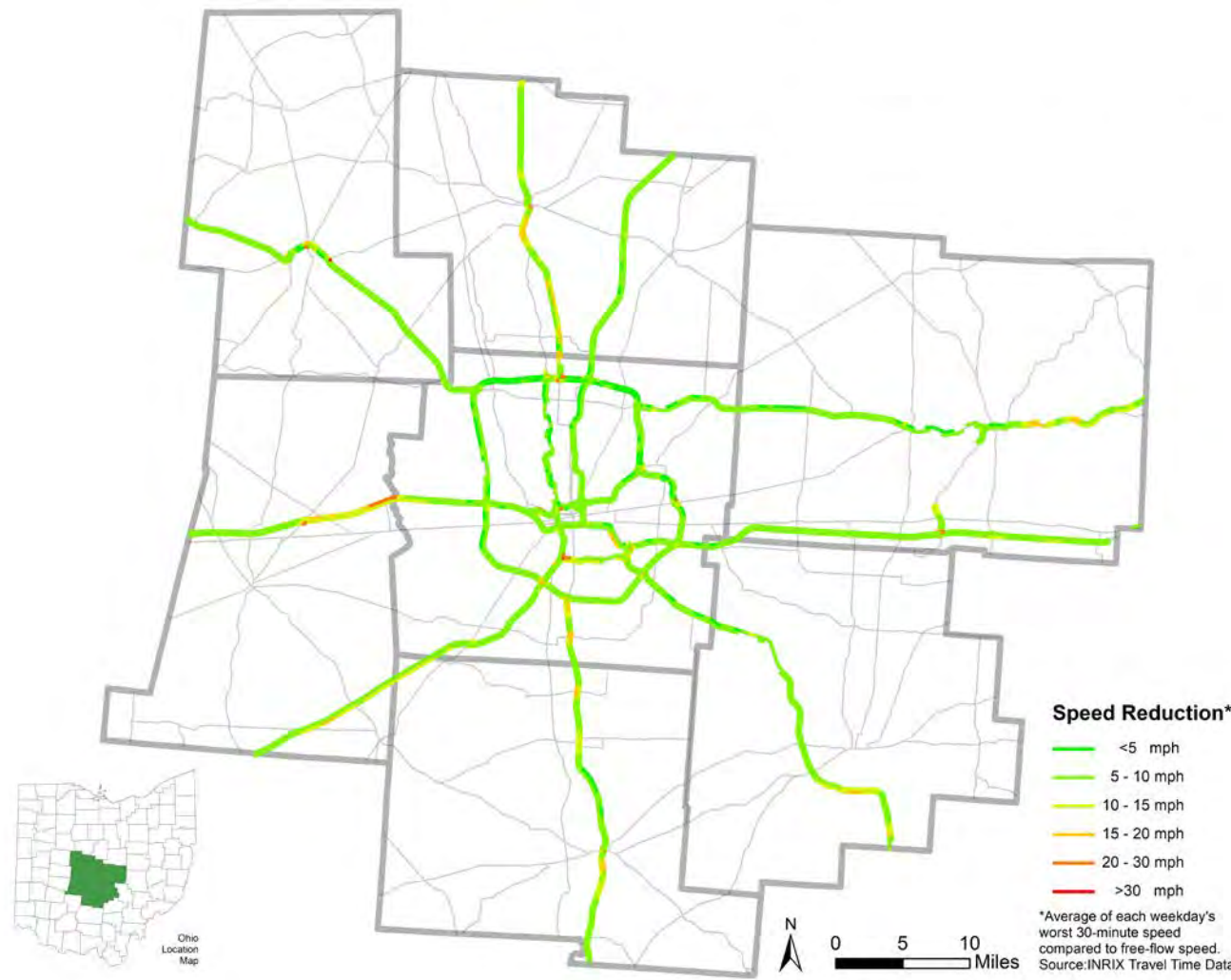


# Congested Peak Period Speed Reduction

Week of May 4

AM

PM

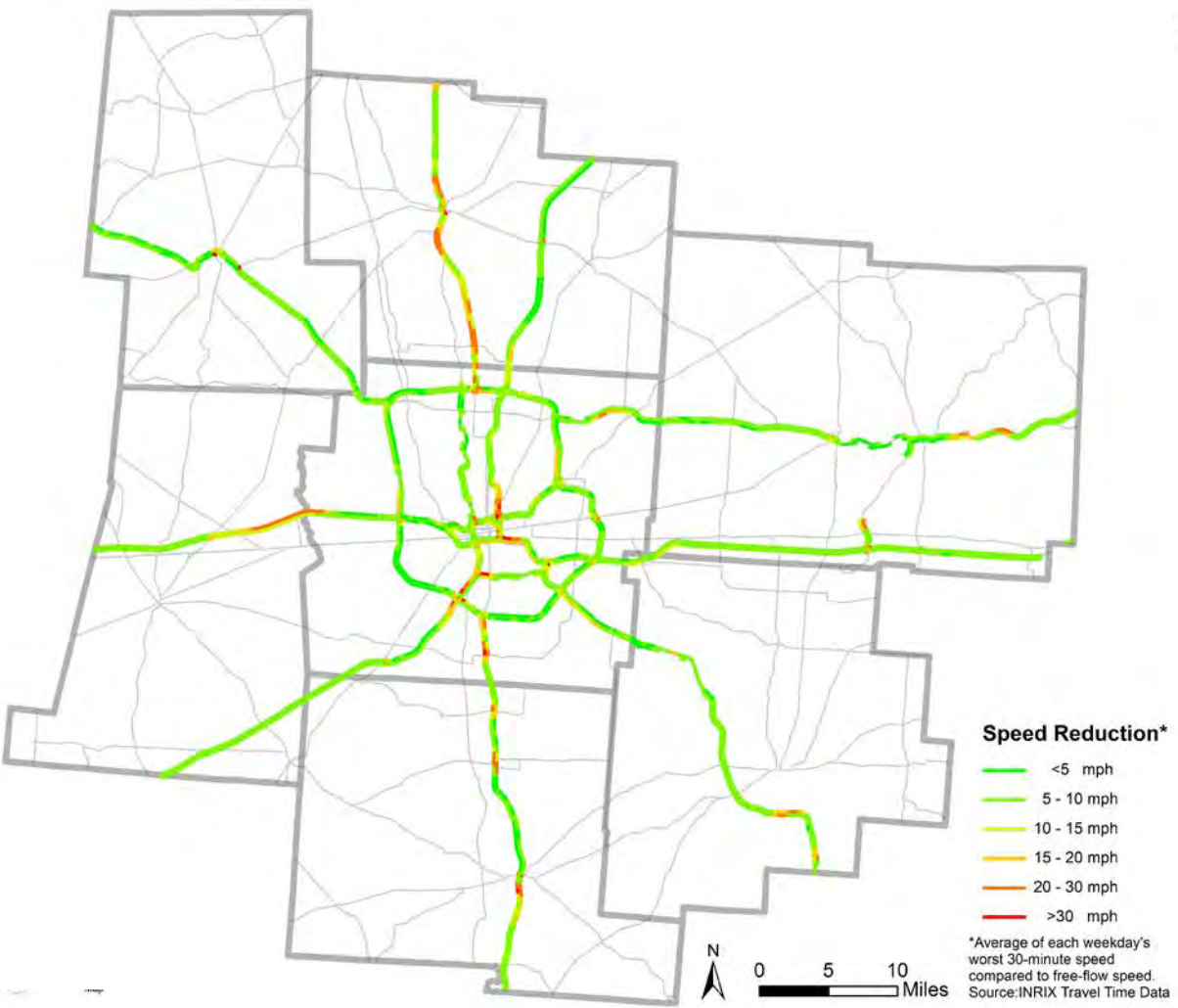
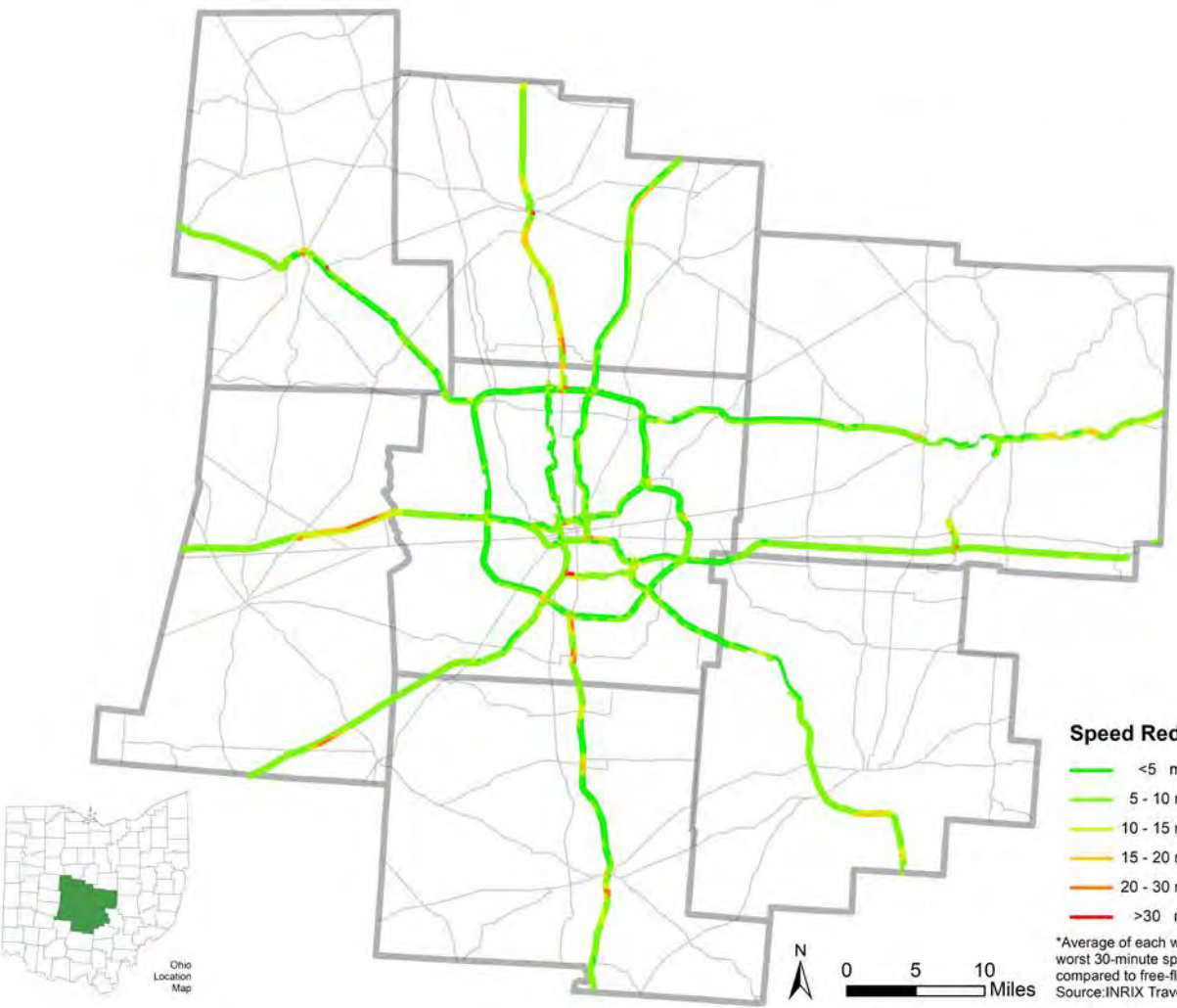


# Congested Peak Period Speed Reduction

Week of June 15

AM

PM





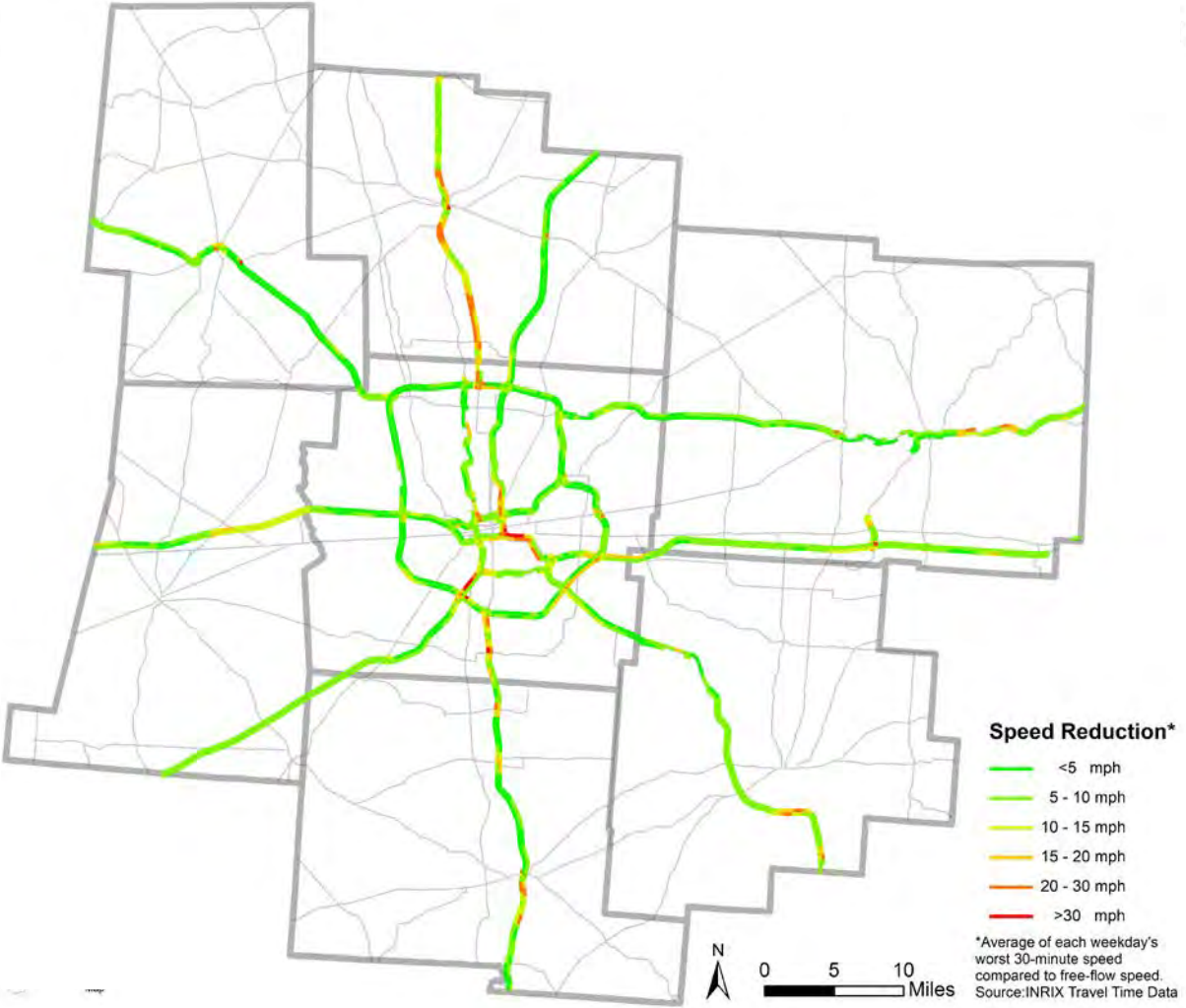
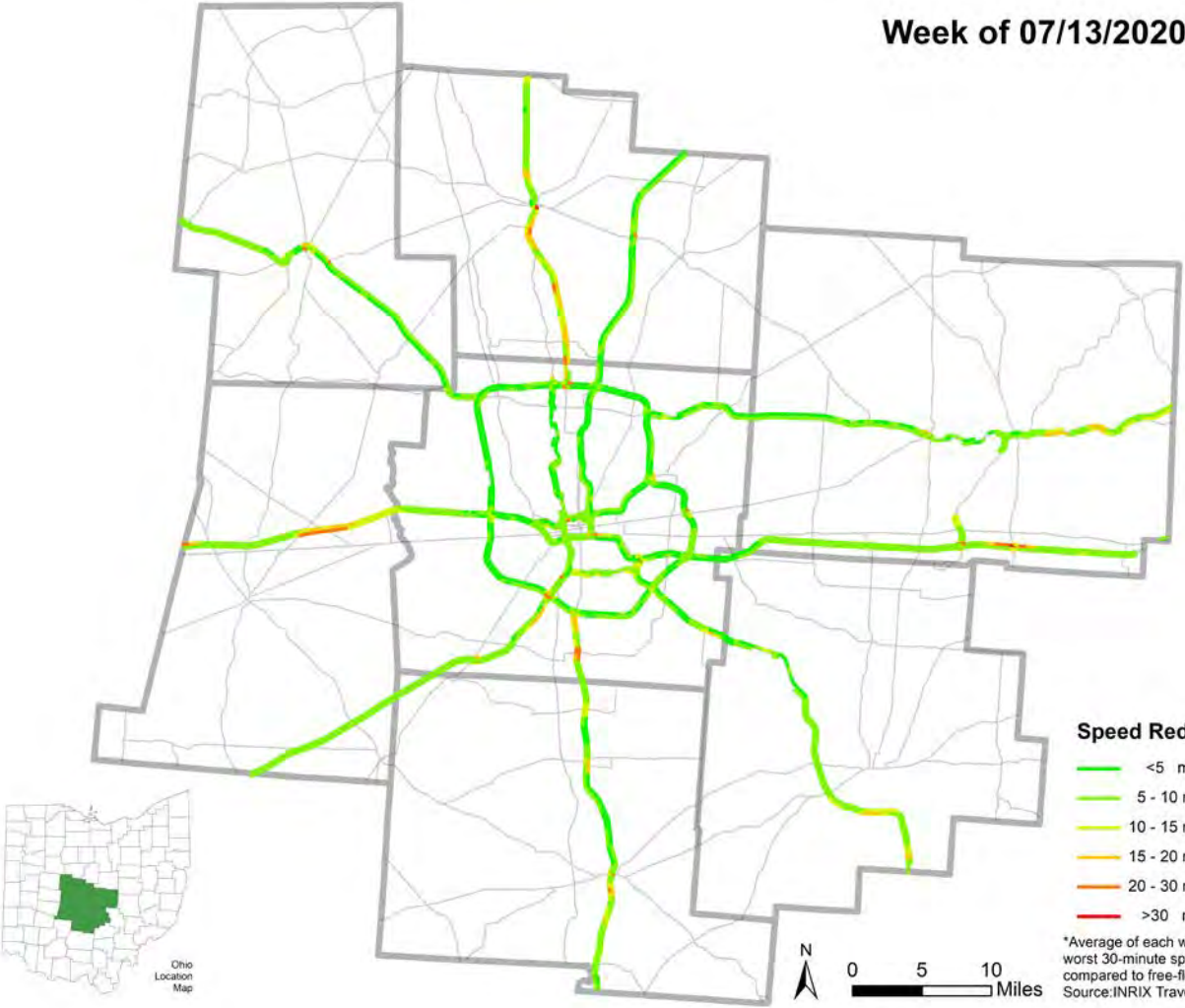
# Congested Peak Period Speed Reduction

Week of July 13

AM

PM

Week of 07/13/2020 - AM

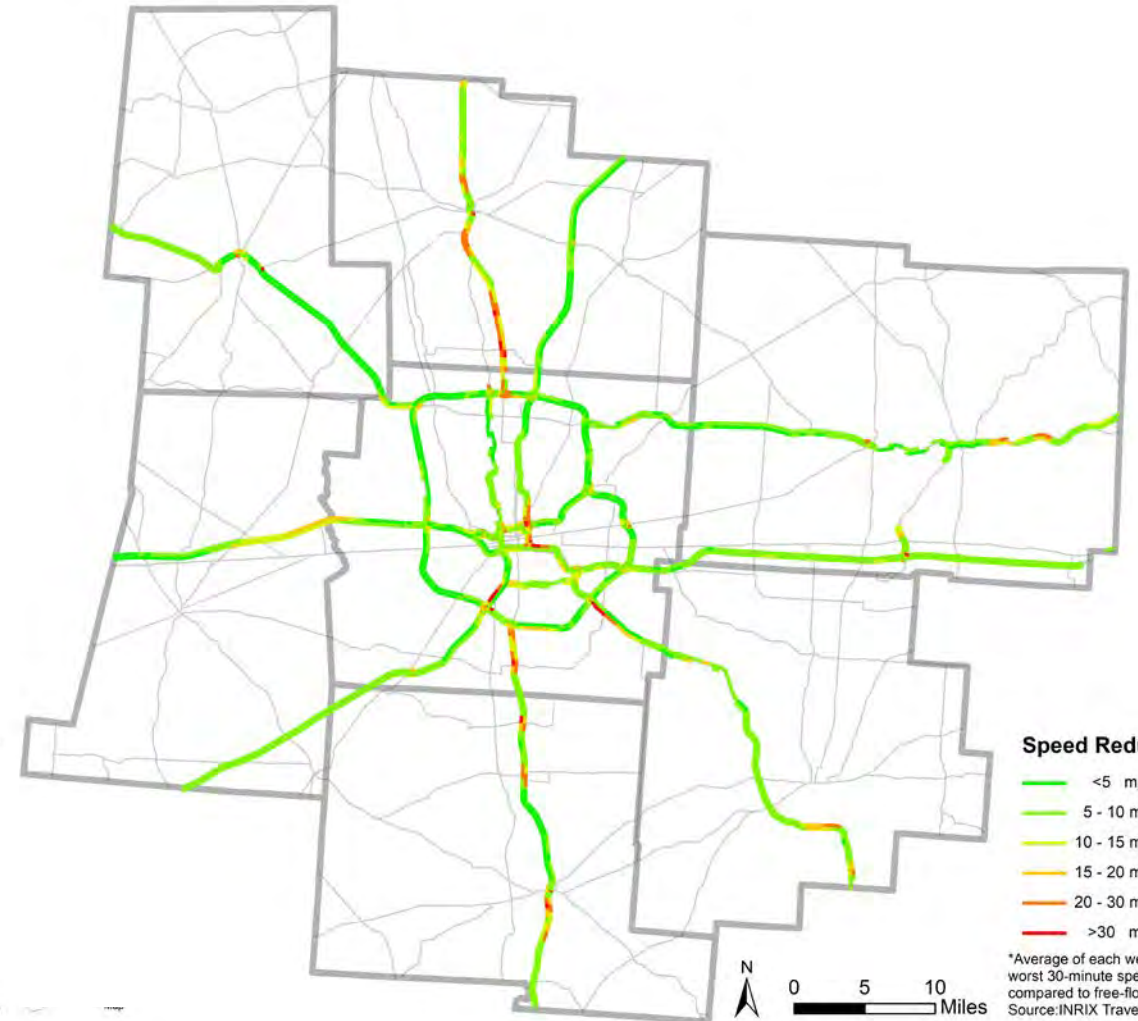
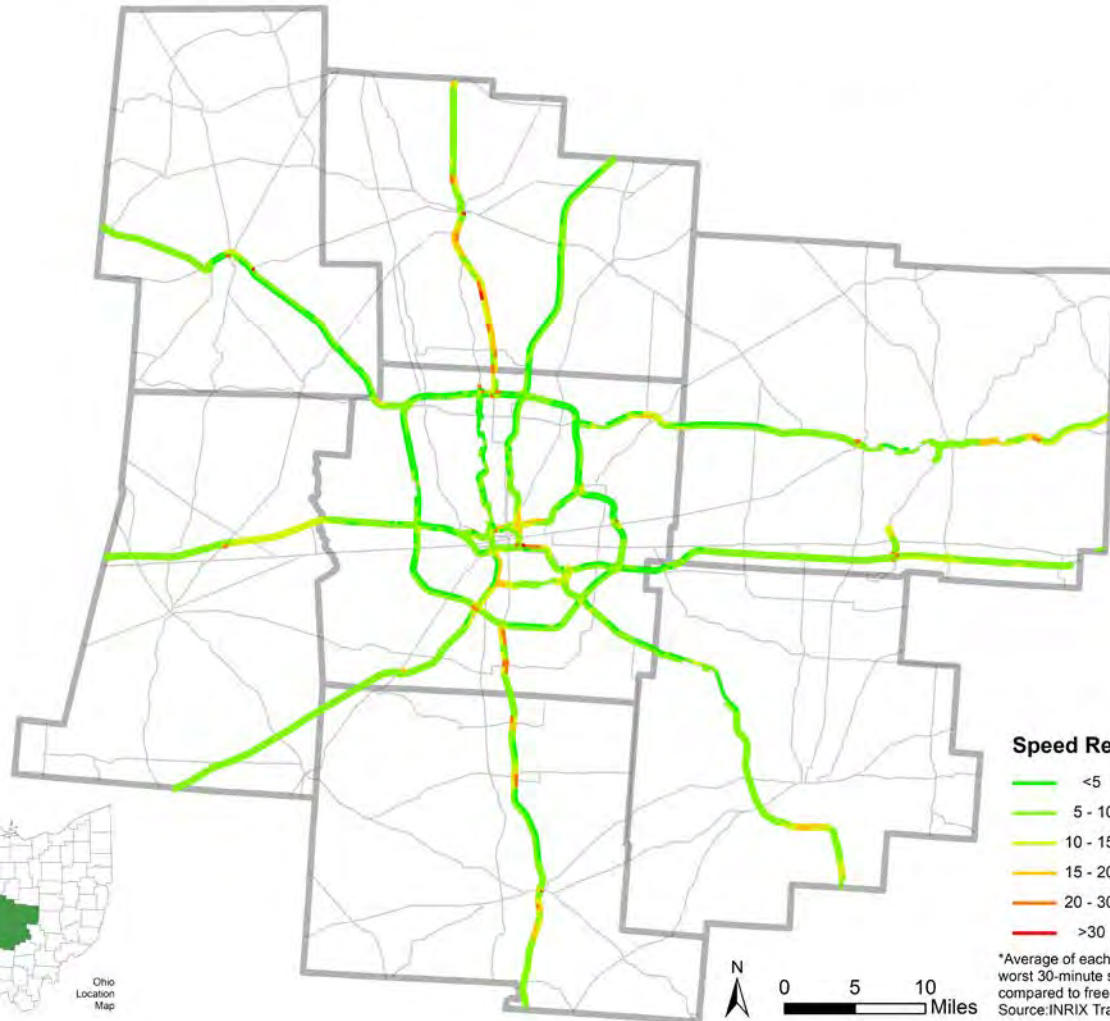


# Congested Peak Period Speed Reduction

## Week of August 17

AM

PM





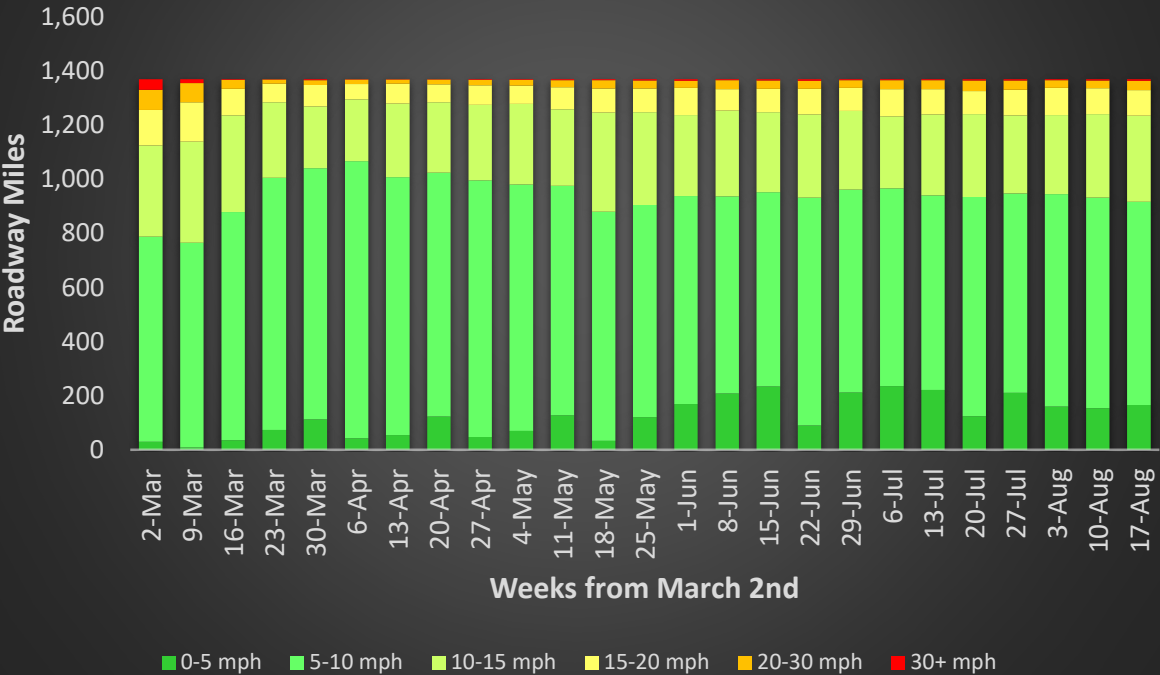
# Congested Peak Period Speed Reduction

Proportion of Miles – Freeways/Expressways

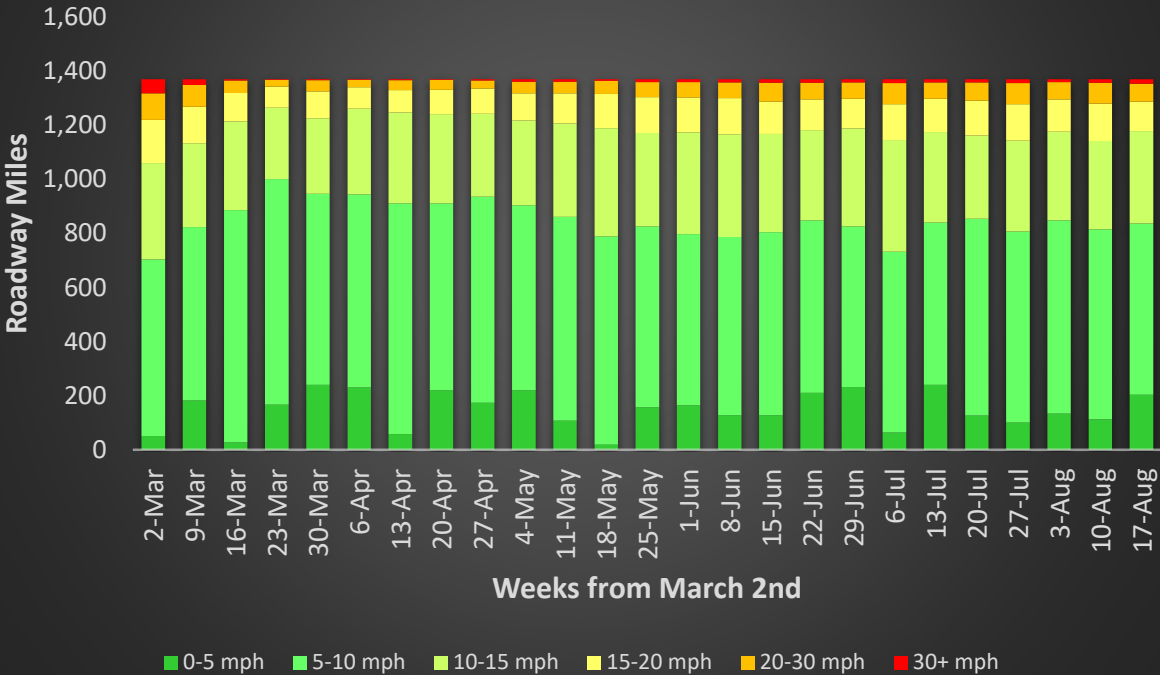
AM

PM

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



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



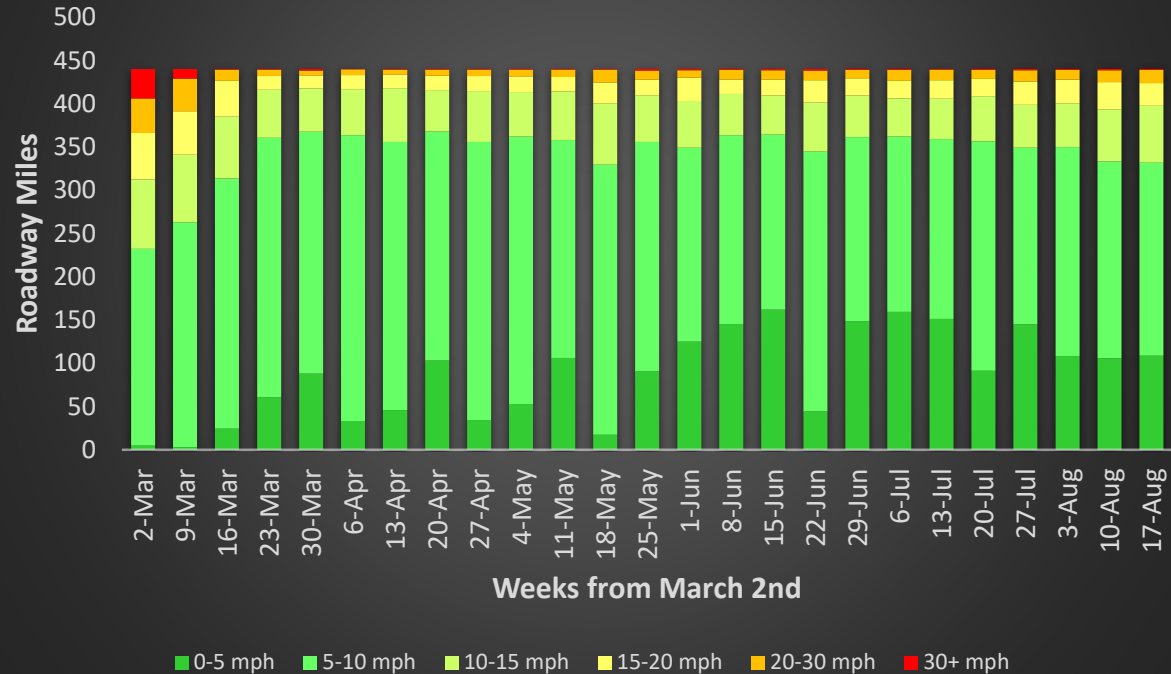
# Congested Peak Period Speed Reduction

## Proportion of Miles – Freeways/Expressways – Franklin County

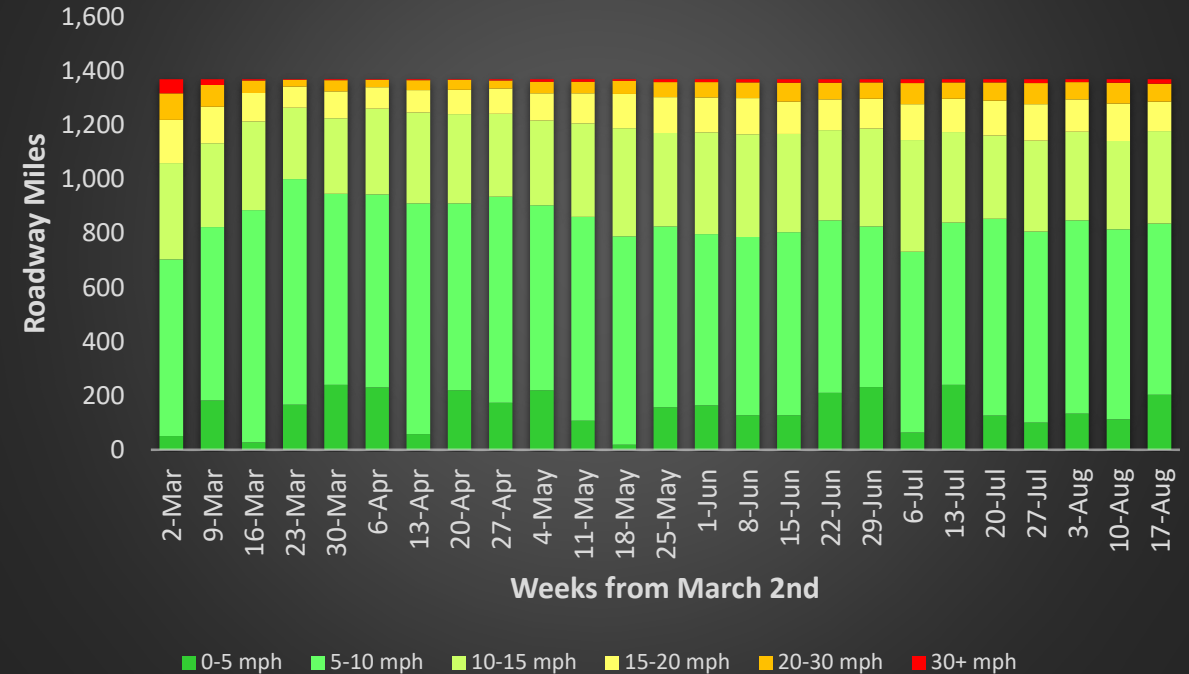
AM

PM

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



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



# AIR

## COVID-19

*Regional  
Transportation  
System  
Impacts*



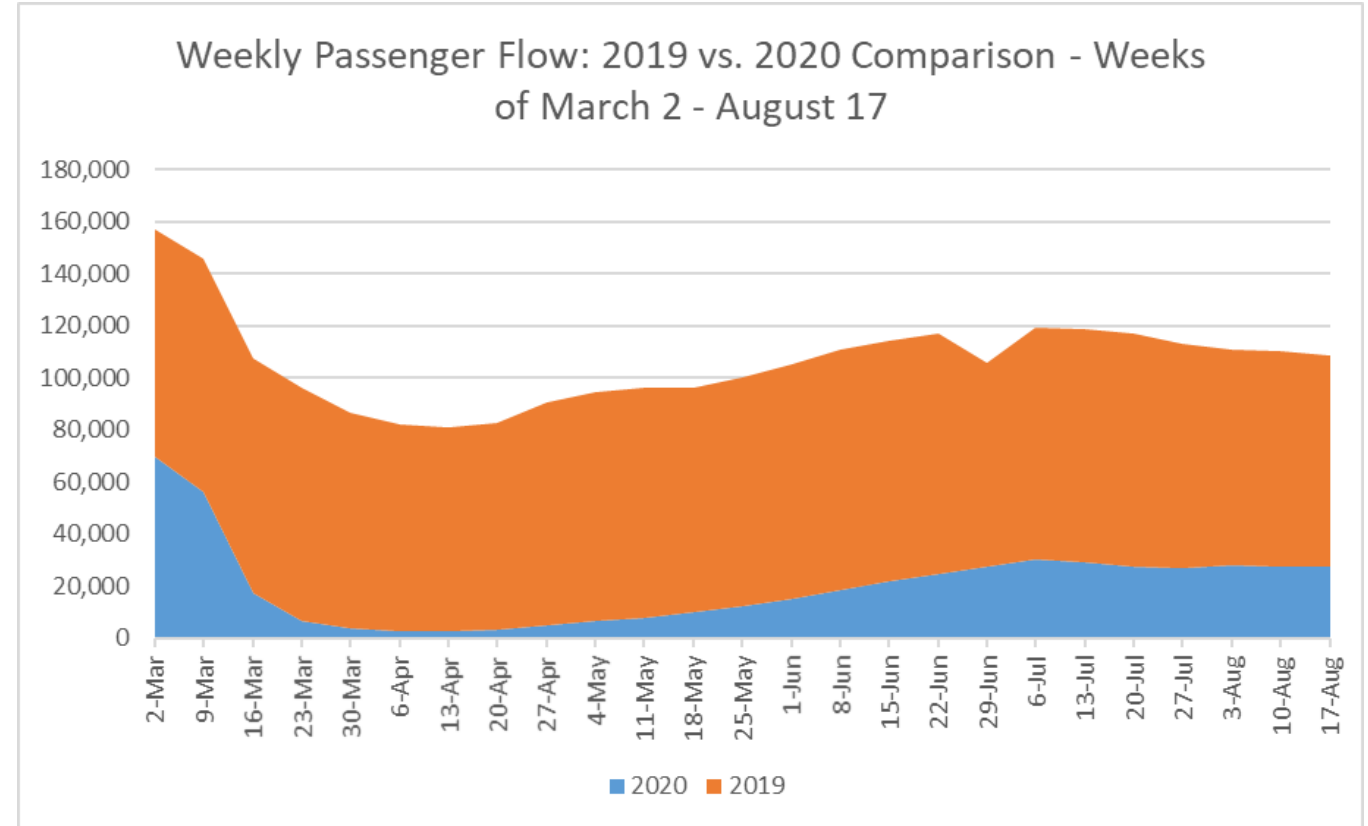
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PLANNING COMMISSION

# NUMBER OF PASSENGERS



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Week of	% Change, 2020 vs. 2019
2-Mar	-20%
2-Mar	-20%
9-Mar	-37%
16-Mar	-81%
23-Mar	-93%
30-Mar	-95%
6-Apr	-97%
13-Apr	-97%
20-Apr	-96%
27-Apr	-95%
4-May	-93%
11-May	-91%
18-May	-88%
25-May	-86%
1-Jun	-83%
8-Jun	-80%
15-Jun	-77%
22-Jun	-73%
29-Jun	-65%
6-Jul	-66%
13-Jul	-67%
20-Jul	-69%
27-Jul	-68%
3-Aug	-66%
10-Aug	-66%
17-Aug	-66%



*Data Source: Columbus Regional Airport Authority (CRAA). Data includes LCK & CMH airports.*



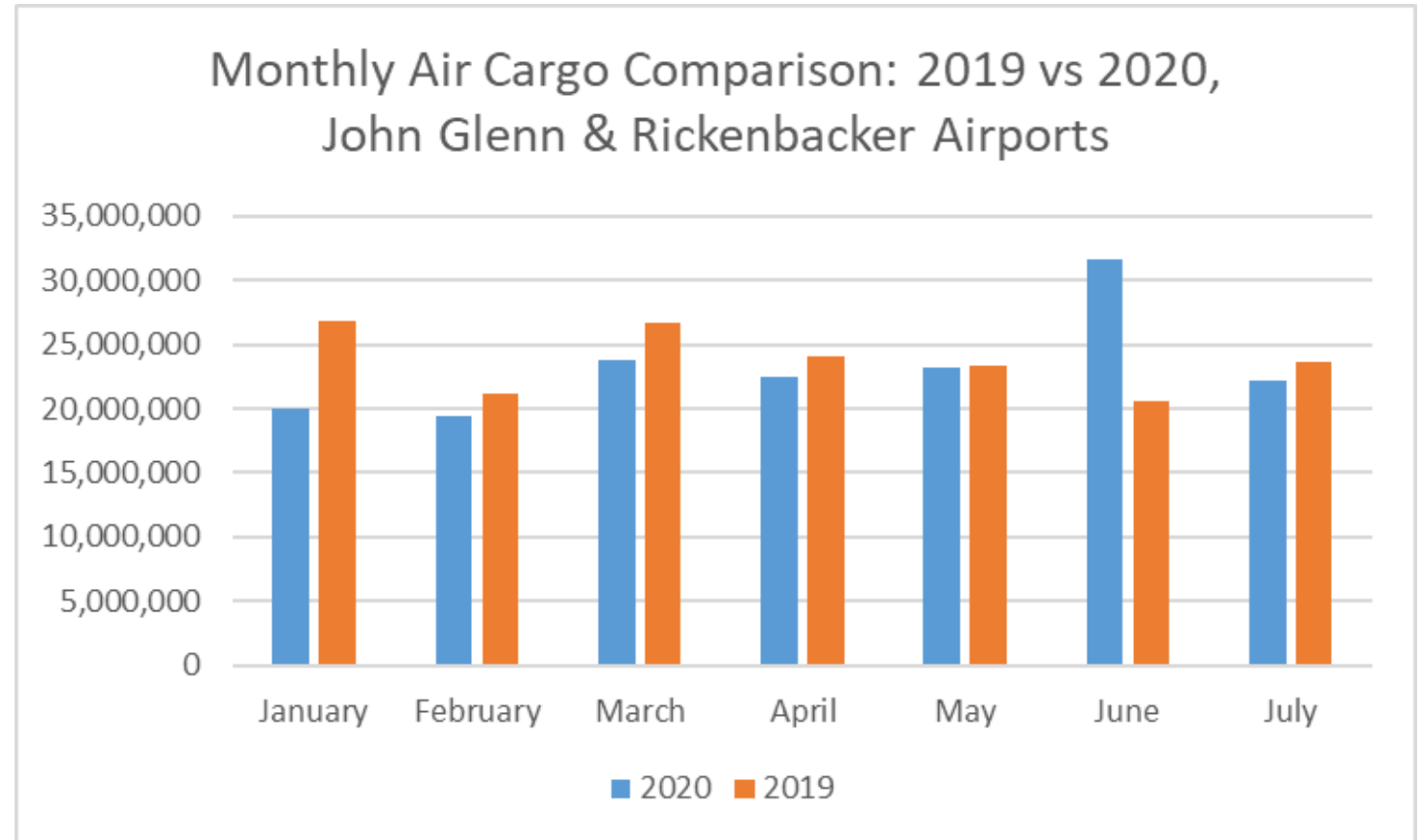
# AIR CARGO LBS (ENPLANED + DEPLANED)



MORPC

Month	Pct Increase
January	-25%
February	-8%
March	-11%
April	-7%
May	0%
June	54%
July	-6%

*Data Source: Columbus Regional Airport Authority (CRAA). Data includes LCK & CMH airports.*



# TRANSIT

## COVID-19

### *Regional Transportation System Impacts*



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# Central Ohio Transit Authority



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## *Free Fares*

- *Fixed Route Service:*

- Scaled back service from 3/17 to 4/27 **down to 53%**
- Minor service additions have been added since 5/4 bringing service up to **57%**
- Continuing fixed route assistance service that picks up passengers passed up do to **20 passenger limited buses** on high ridership routes
- In response to acute mobility needs caused by the pandemic, A COTA//Plus pilot was developed as a mobility solution in Northeast Franklin County. This Service was developed to serve customers who are experiencing reduced service or lost fixed-route service.
- New Westerville On-Demand zone encompassing Westerville, Polaris Fashion Place, and Ikea will launch on 8/24

- Ridership

- In June weekday ridership is at about **33%**
- Weekend service is at about **50%**

### **Since June to August**

- Trending up, averaging 23,000 rides per day in mid August
- Heaviest lines remain Line 10, 1, and 2



NORTHEAST ON DEMAND ZONE

COTA//PLUS

UPDATED AS OF  
AUGUST 19, 2020



COTA//PLUS WESTERVILLE ZONE OF SERVICE

COTA//PLUS

UPDATED AS OF AUGUST 19, 2020



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Emergency Northeast  
On-Demand COTA  
Plus Pilot to  
supplement missing  
service

Westerville COTA  
Plus launched  
8/25

# Central Ohio Transit Authority Continue



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- **Core Mainstream service:**
  - From 3/12 to 3/19 ridership **declined to 40%**
  - By 3/26 ridership **declined to 30%**
  - By early to mid-May ridership **increased 5% per week**
  - Ridership **stabilized between 45-55% of normal** in June and July. – See below 38% of Mainstream is using Mainstream On-Demand
- **Mainstream On-Demand:** - Ride within one hour of request
  - Ridership declined the same way during the initial panic weeks in March
  - Ridership bounced back to **50% of normal** by the end of April and **set a new On-Demand ridership record** in May.
  - Record-setting growth has continued; **38% of all Mainstream rides were On-Demand** in July vs only 12% in January.
  - Free fares across all of Mainstream are **shifting customer modality** preference to On-Demand.

# Delaware County Transit



## *Free Fares until June 1<sup>st</sup>*

- Overall DCT's ridership was **reduced to 30%** of normal
- The Green Fixed Route from the City of Delaware along US 23 to Crosswoods was suspended 3/26, it will resume on July 3<sup>rd</sup>
- All other Fixed Routes in the City of Delaware were suspended on 4/20 while Demand Response continued, these fixed routes will be suspended until December 31<sup>st</sup>
- On June 1<sup>st</sup> DCT begin a low fare FLEX call ahead pilot for service within Delaware City during the weekdays

## *Resumed Fares on June 1<sup>st</sup>*

- DCT's overall ridership is still down from pre-Covid-19 levels by about 50% but is continuing to increase each month. Revenue service hours are down 30%.
- All fixed routes were suspended until at least the end of 2020
- A new service, termed FLEX began on June 1. This service is on-demand with about a 30-minute response time. This is only currently operating in the City of Delaware and replaces fixed route service.
- Passengers fares were reinstated on June 1, 2020. However, Demand Response fares were reduced by approximately 30%



# IMPACT TRACKING



MORPC

- Highway
- Air Travel
- Transit
- *Trails*
- *Air Quality*

# THEA EWING, AICP NICK GILL

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**Mid-Ohio Regional Planning Commission**

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