

# COVID-19

## *Regional Transportation System Impacts*

September 2020 Committee Meetings



MID-OHIO REGIONAL  
**MORPC**  
PLANNING COMMISSION

# IMPACT TRACKING



MORPC

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

# HIGHWAY

## COVID-19

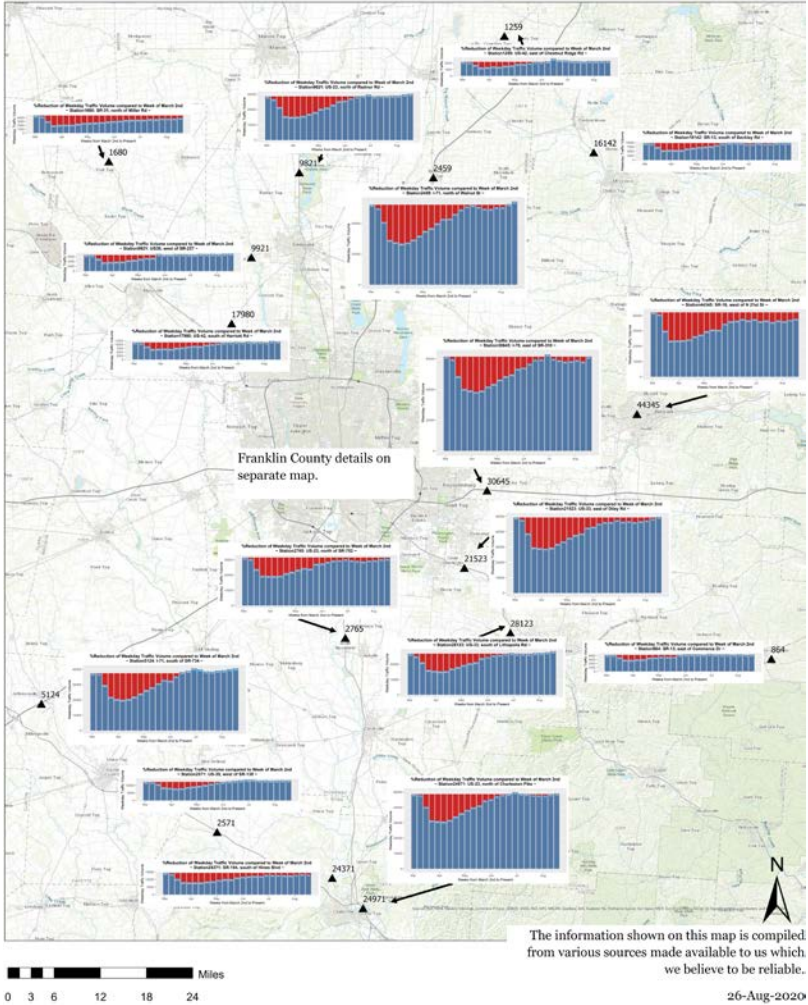
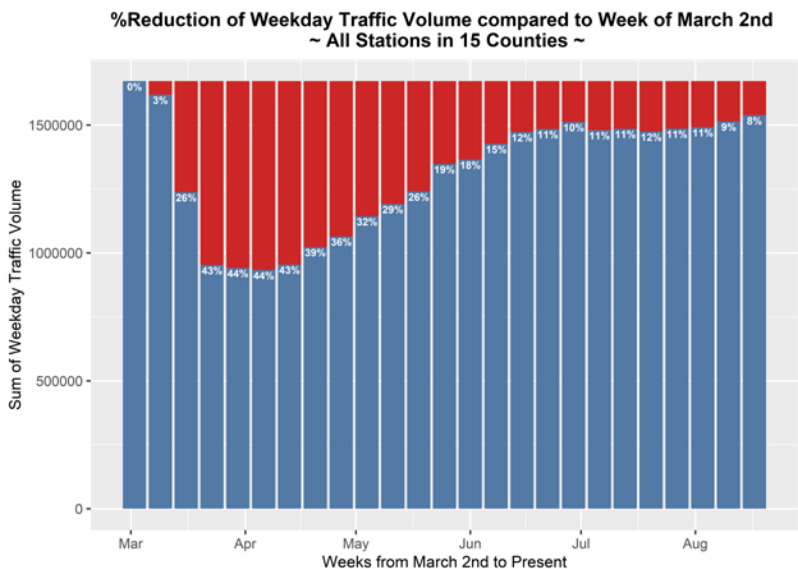
### *Regional Transportation System Impacts*



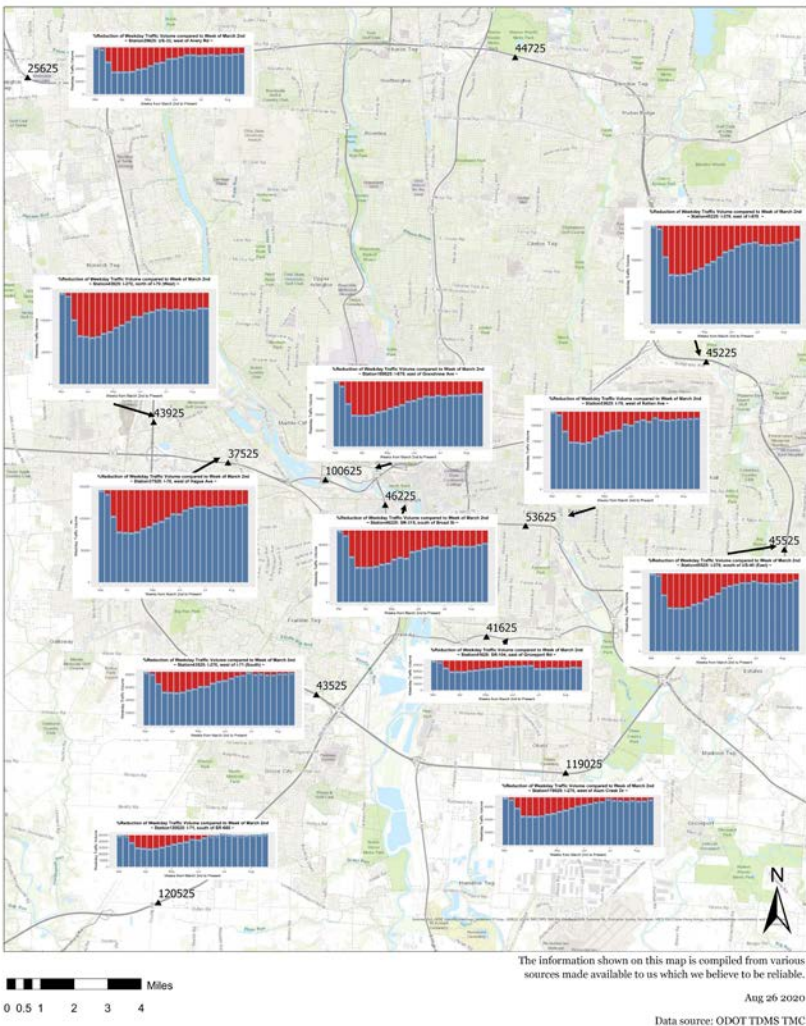
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PLANNING COMMISSION

# 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



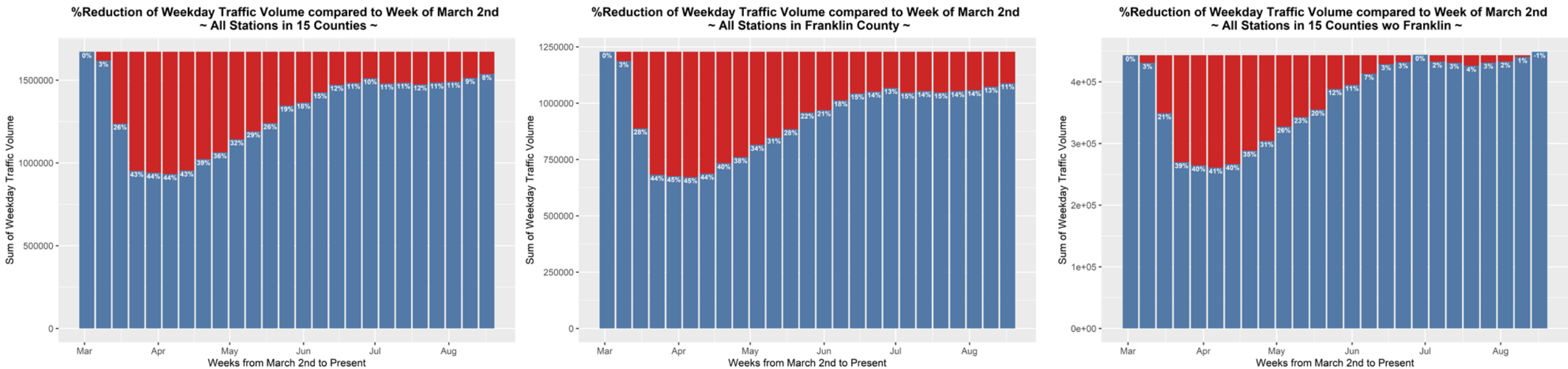
Franklin Co: Weekly Average Traffic Volume and  
Percent Reduction from 1st Week of March  
Week of March 2 through Present



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

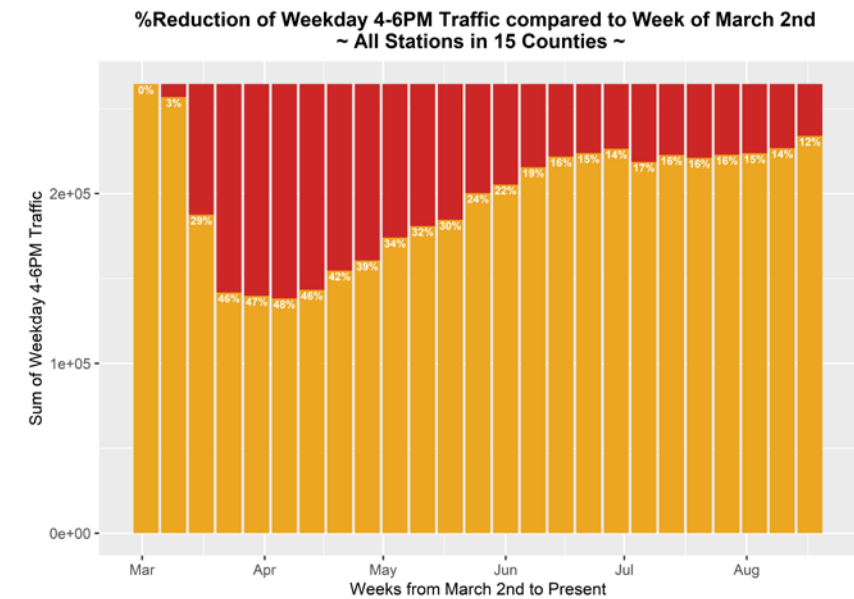
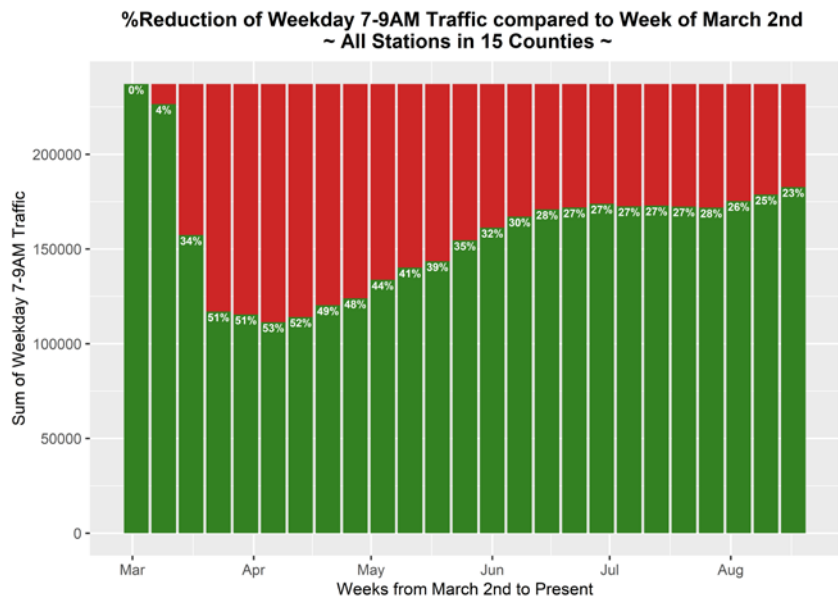
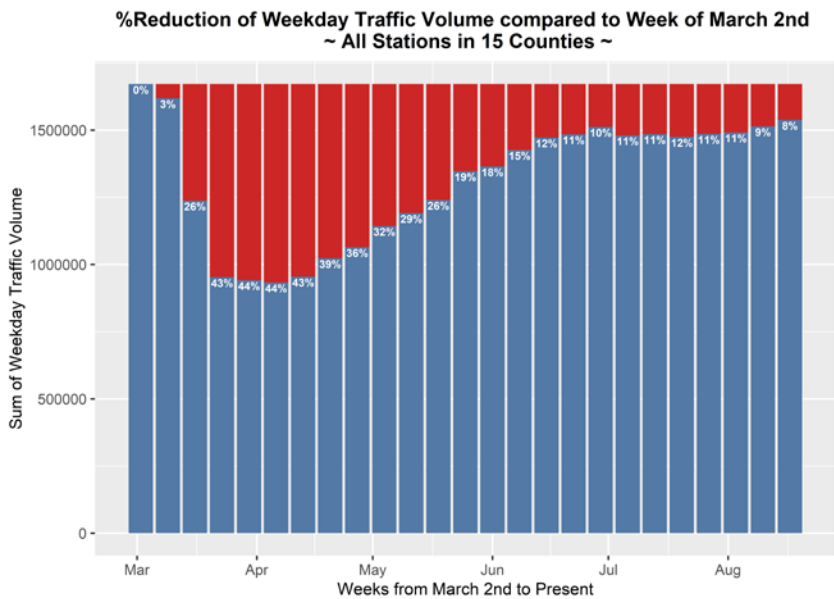
See Individual Maps

# Weekday Average Daily Traffic



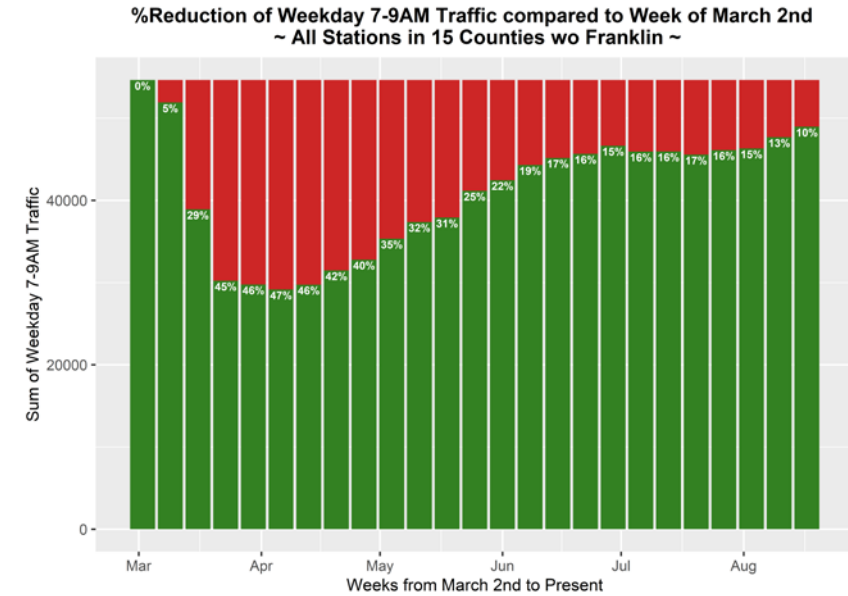
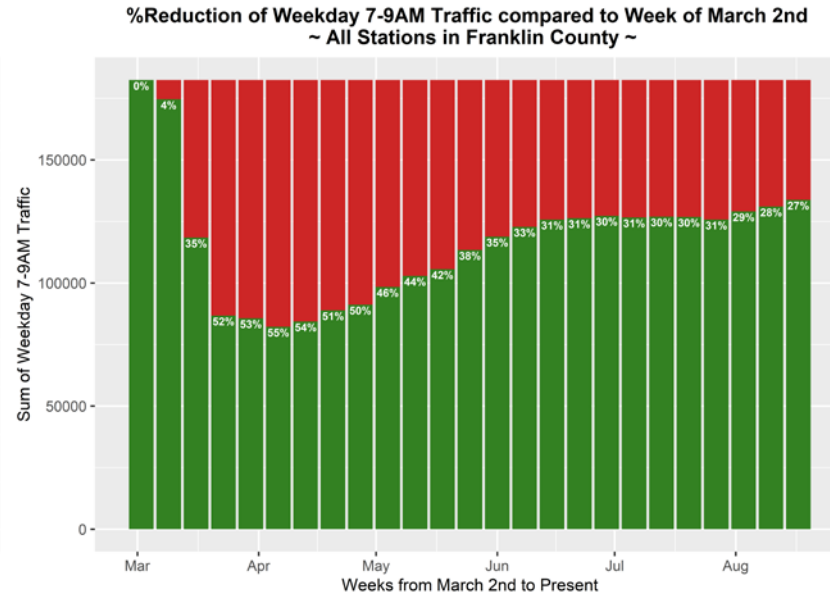
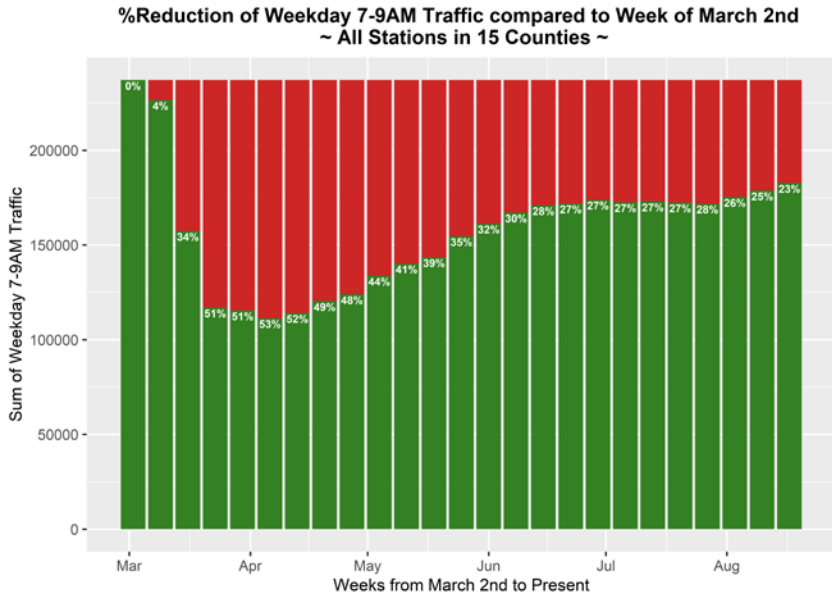
Data is based on 29 ODOT Permanent count stations throughout 15 counties in central Ohio

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



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

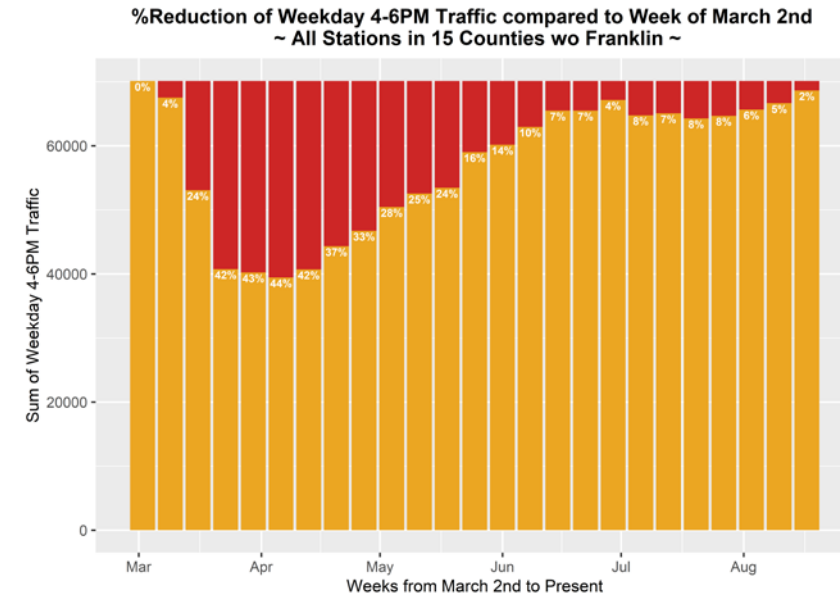
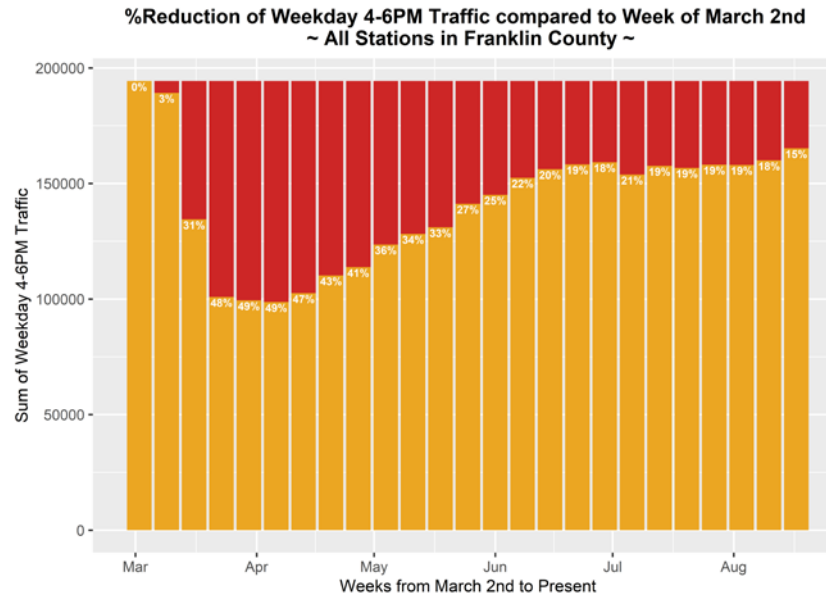
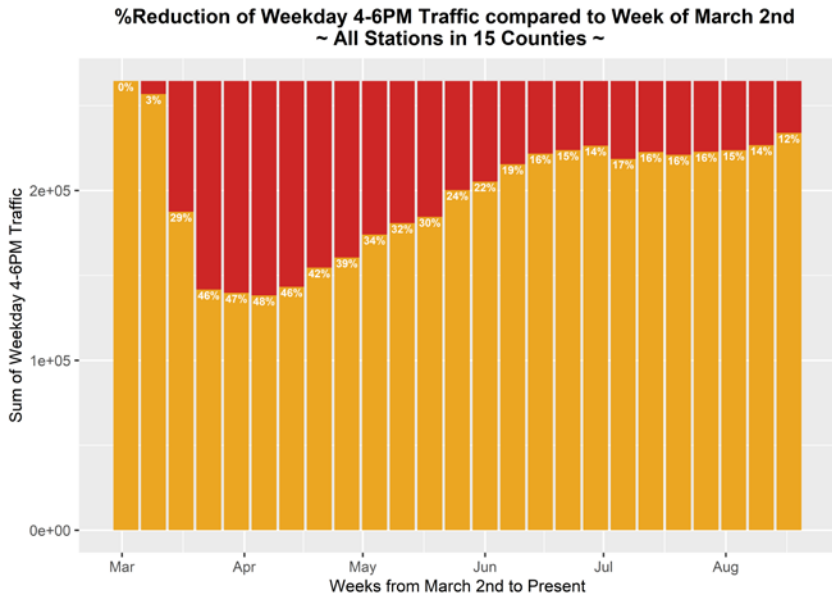
# Weekday AM Peak Period



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



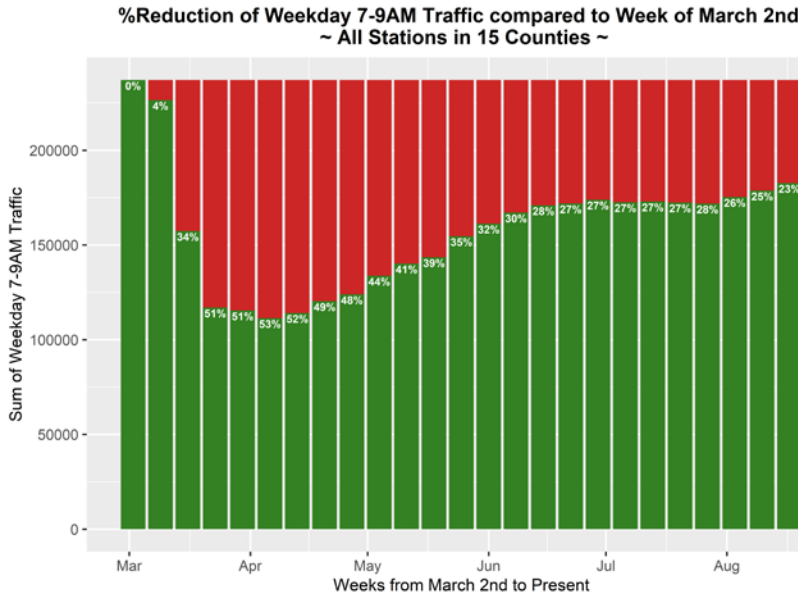
# Weekday PM Peak Period



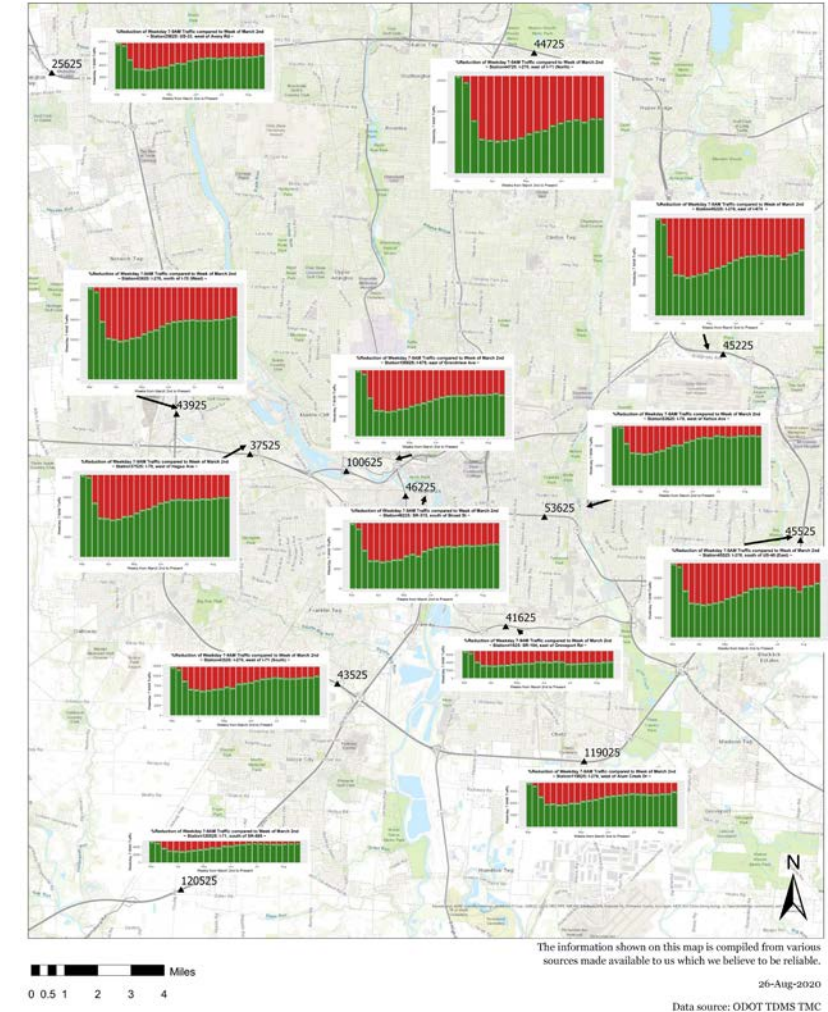
Data is based on 29 ODOT Permanent count stations throughout 15 counties in central Ohio

# 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



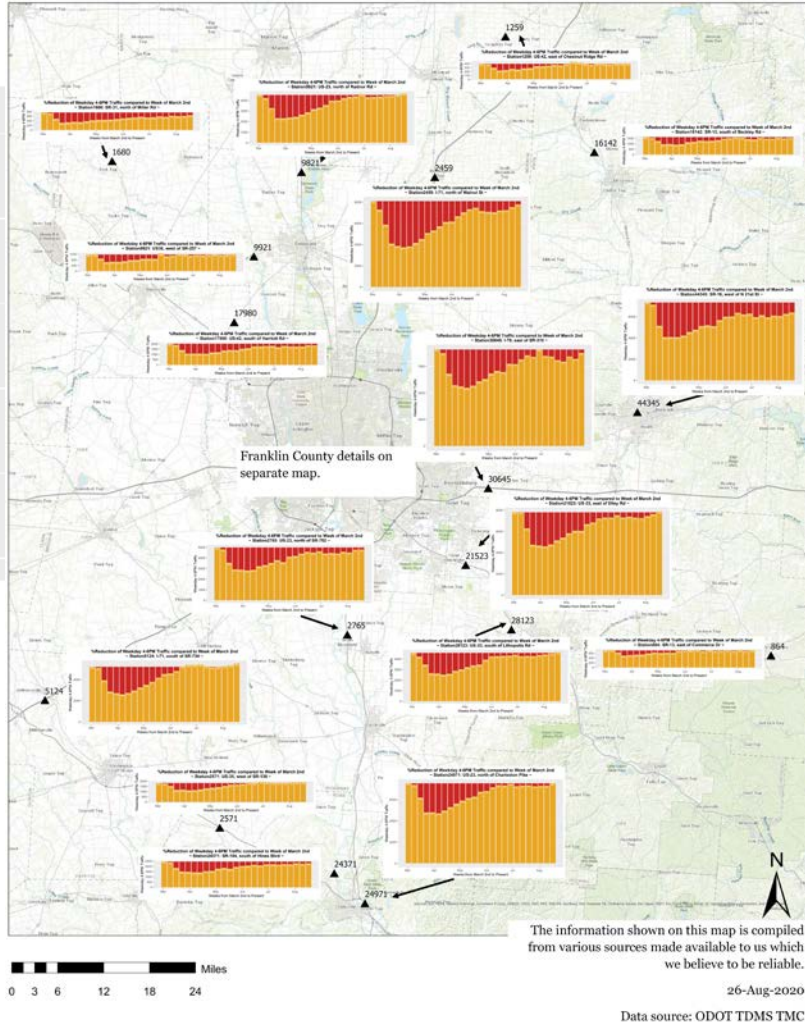
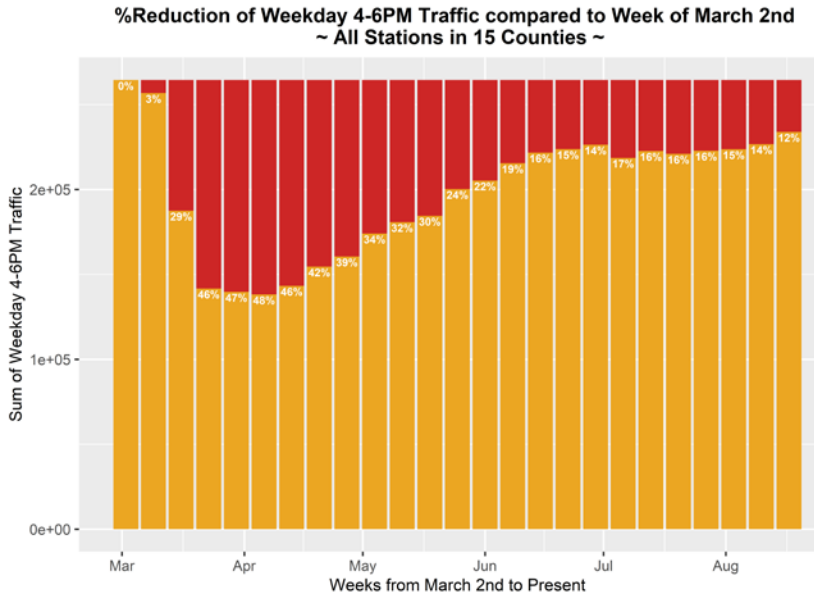
Franklin Co: Weekly Average AM Peak Traffic Volume and  
Percent Reduction from 1st Week of March  
Week of March 2 through Present



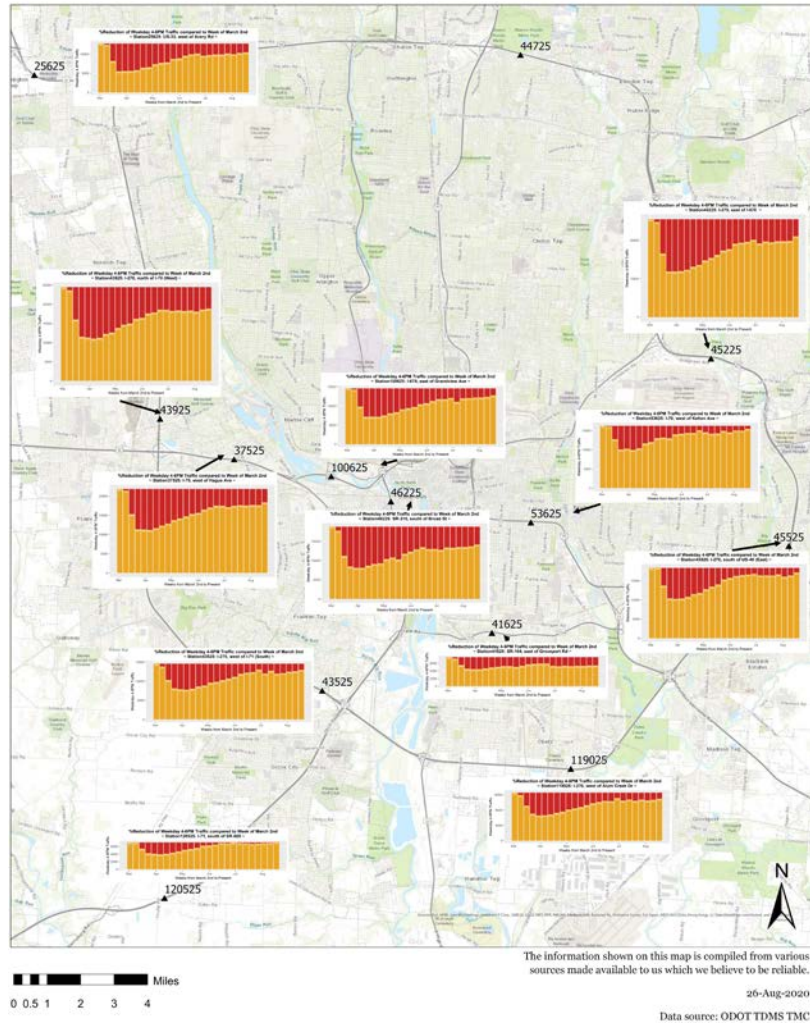


# Weekday Average Two-hour PM Peak Traffic

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



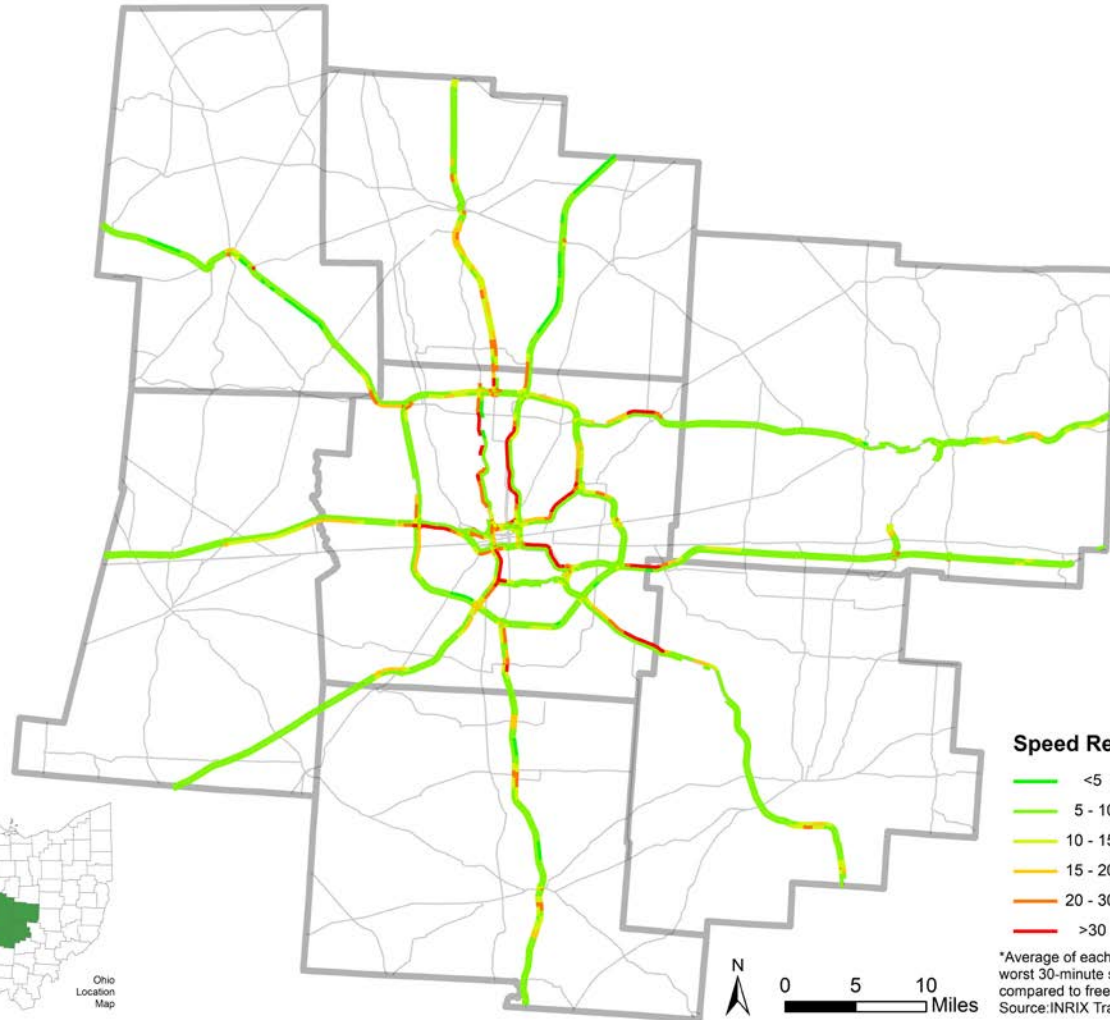
# From Traffic Volumes to Peak Period Congestion

# Congested Peak Period Speed Reduction

## Week of March 2

AM

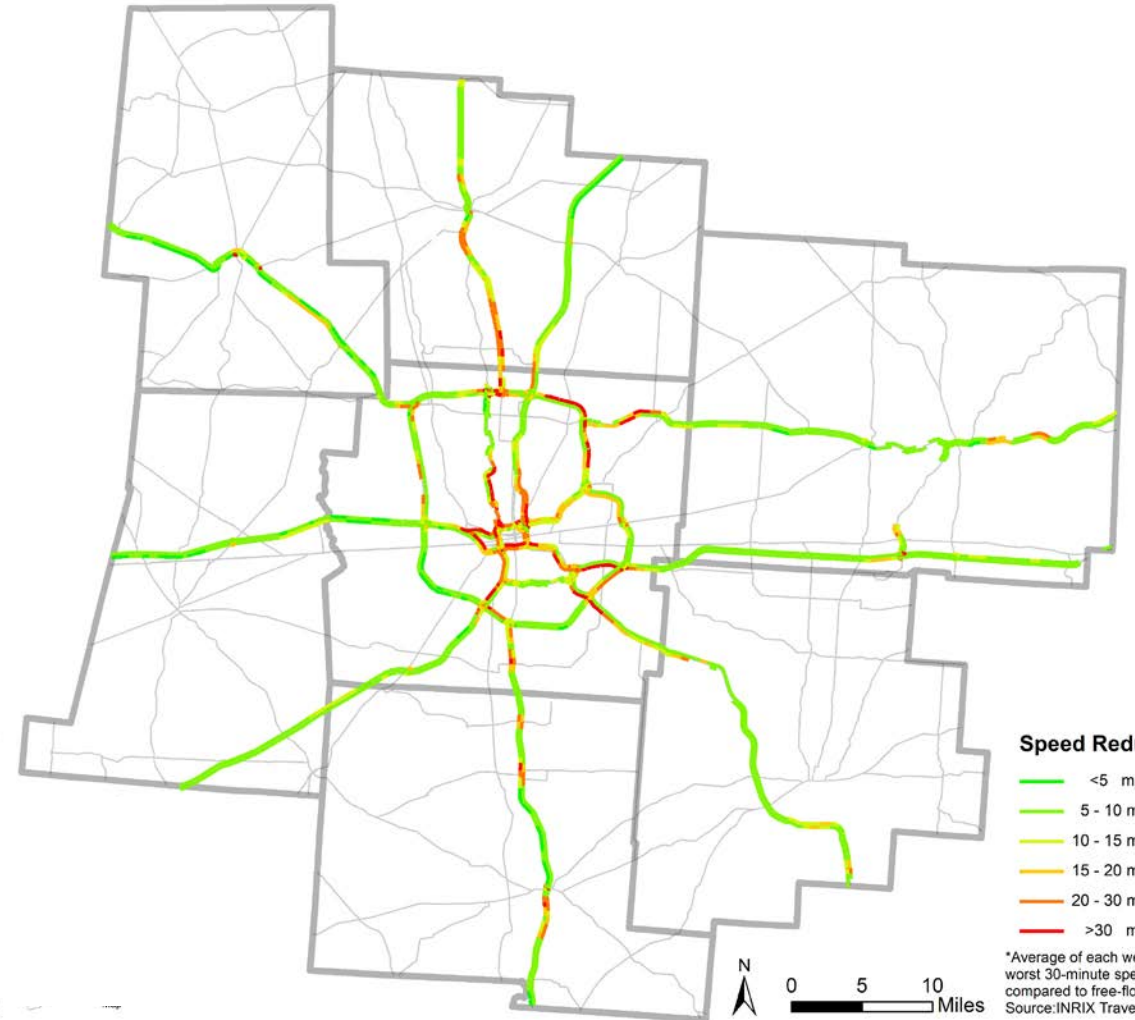
PM



### 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\*

- <5 mph
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\*Average of each weekday's worst 30-minute speed compared to free-flow speed.  
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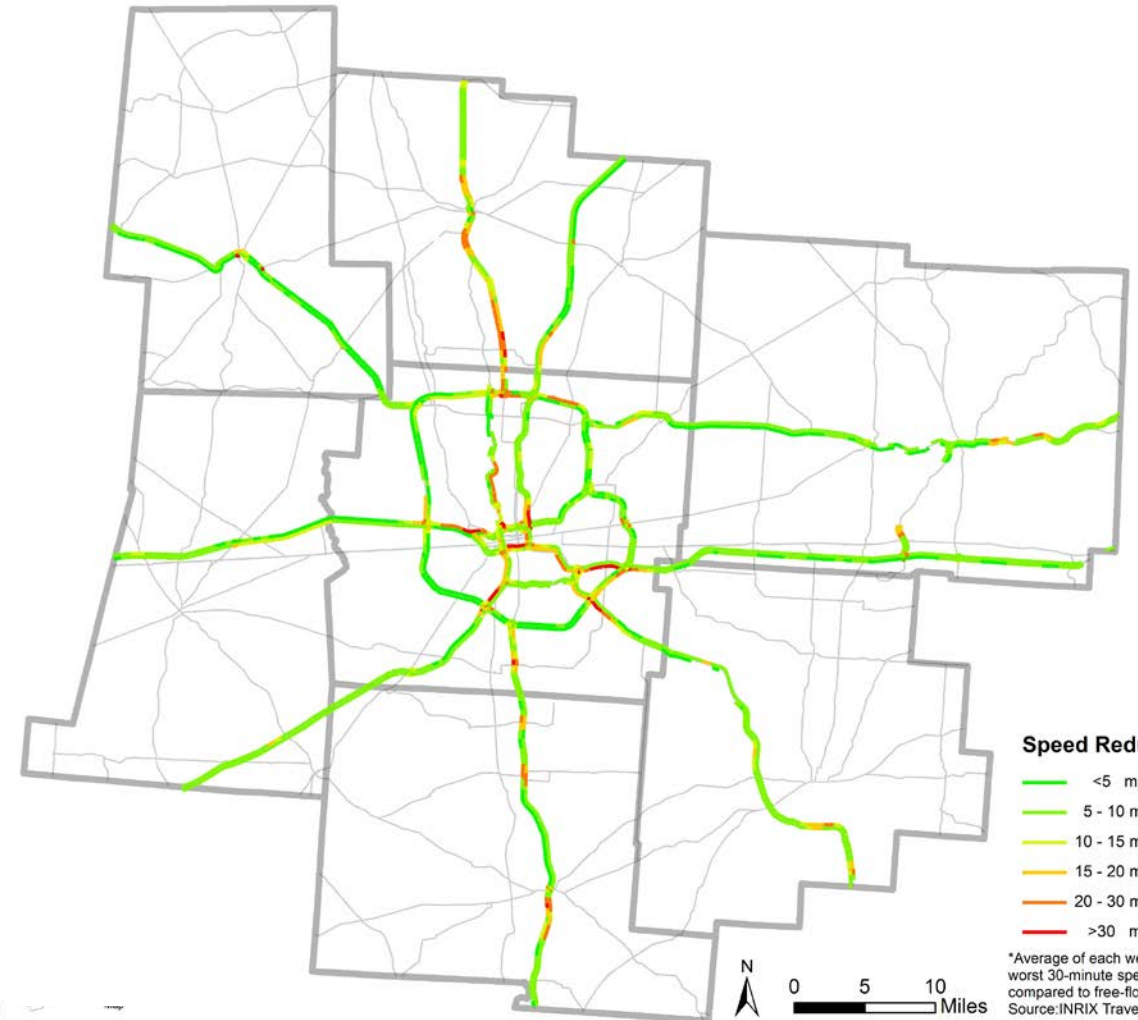
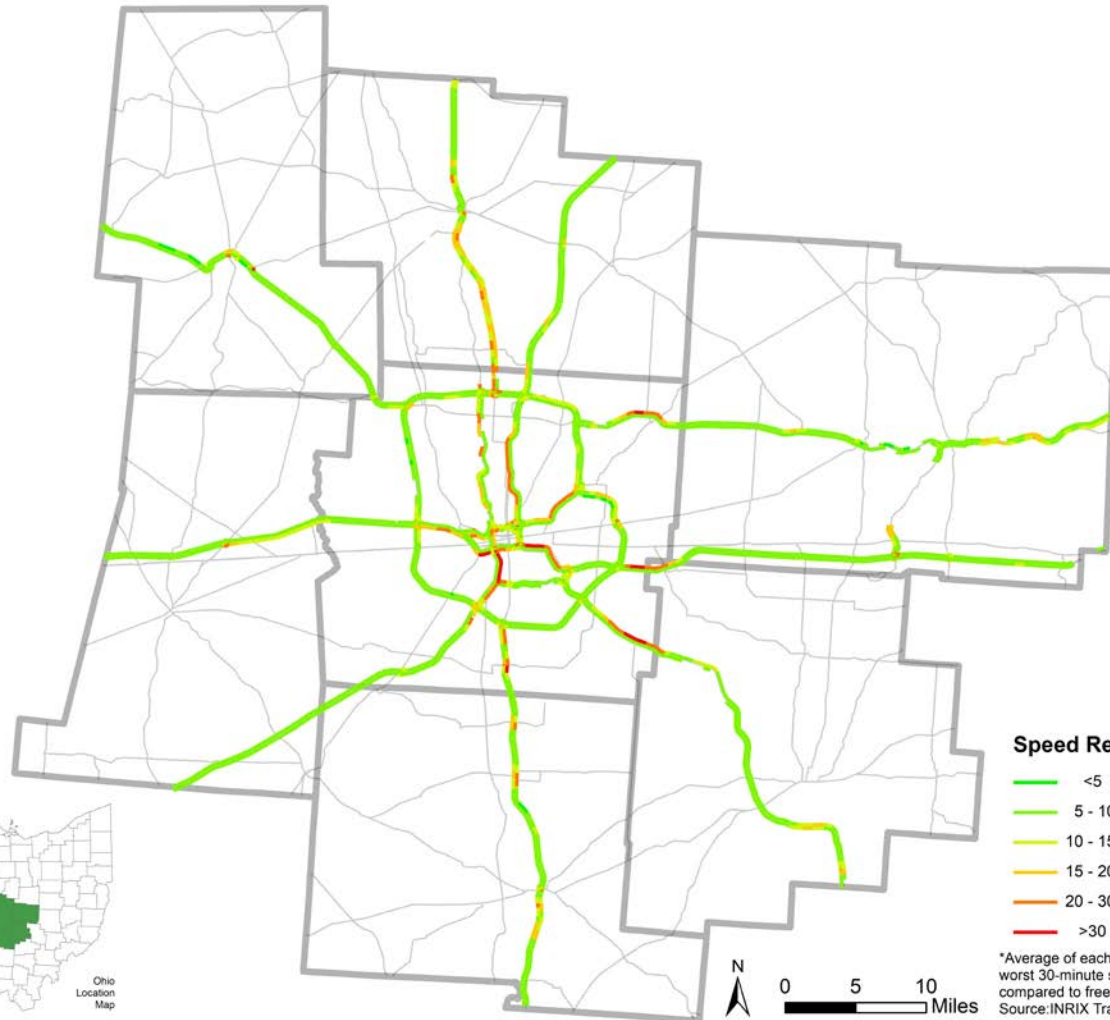


# Congested Peak Period Speed Reduction

## Week of March 9

AM

PM



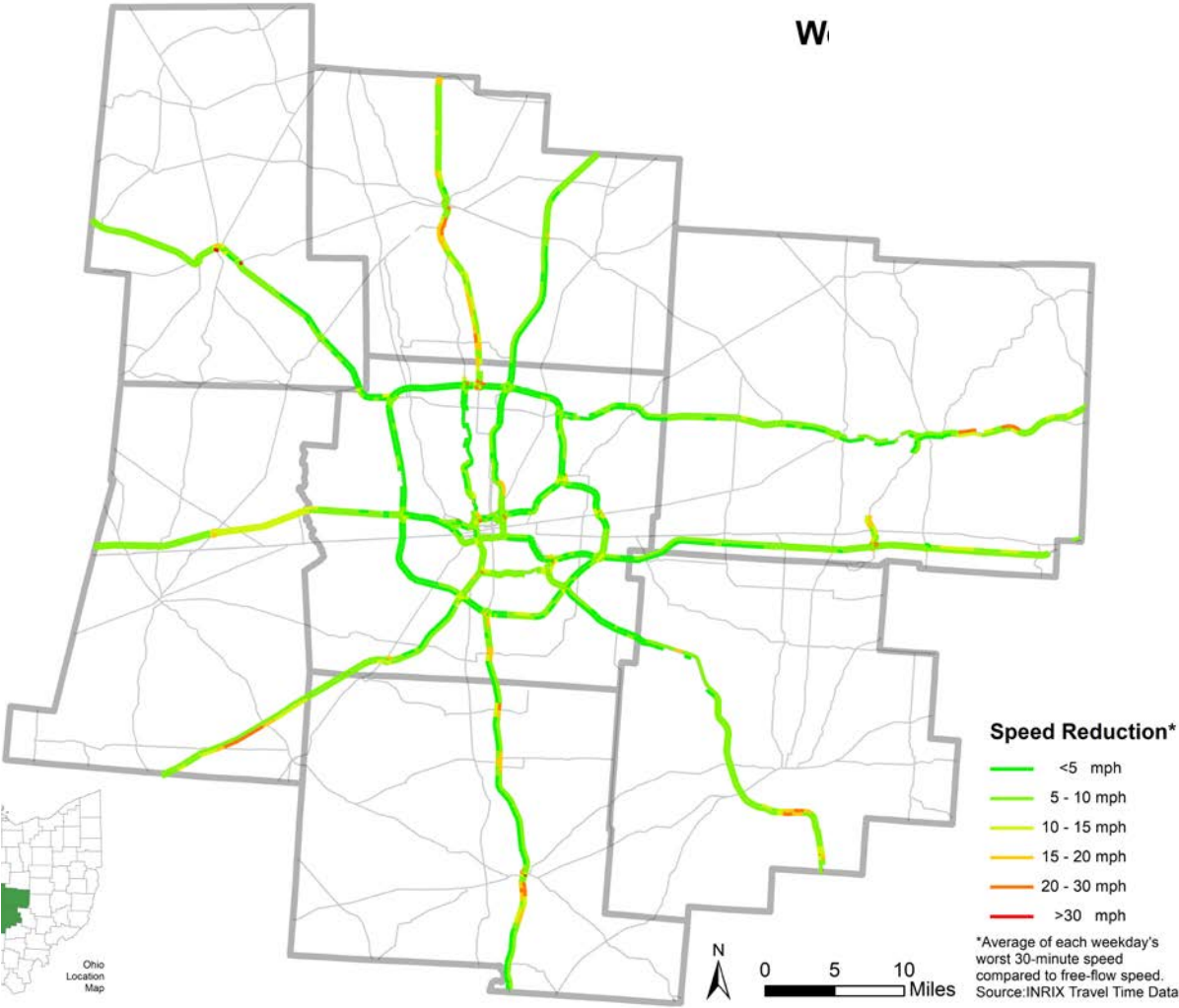
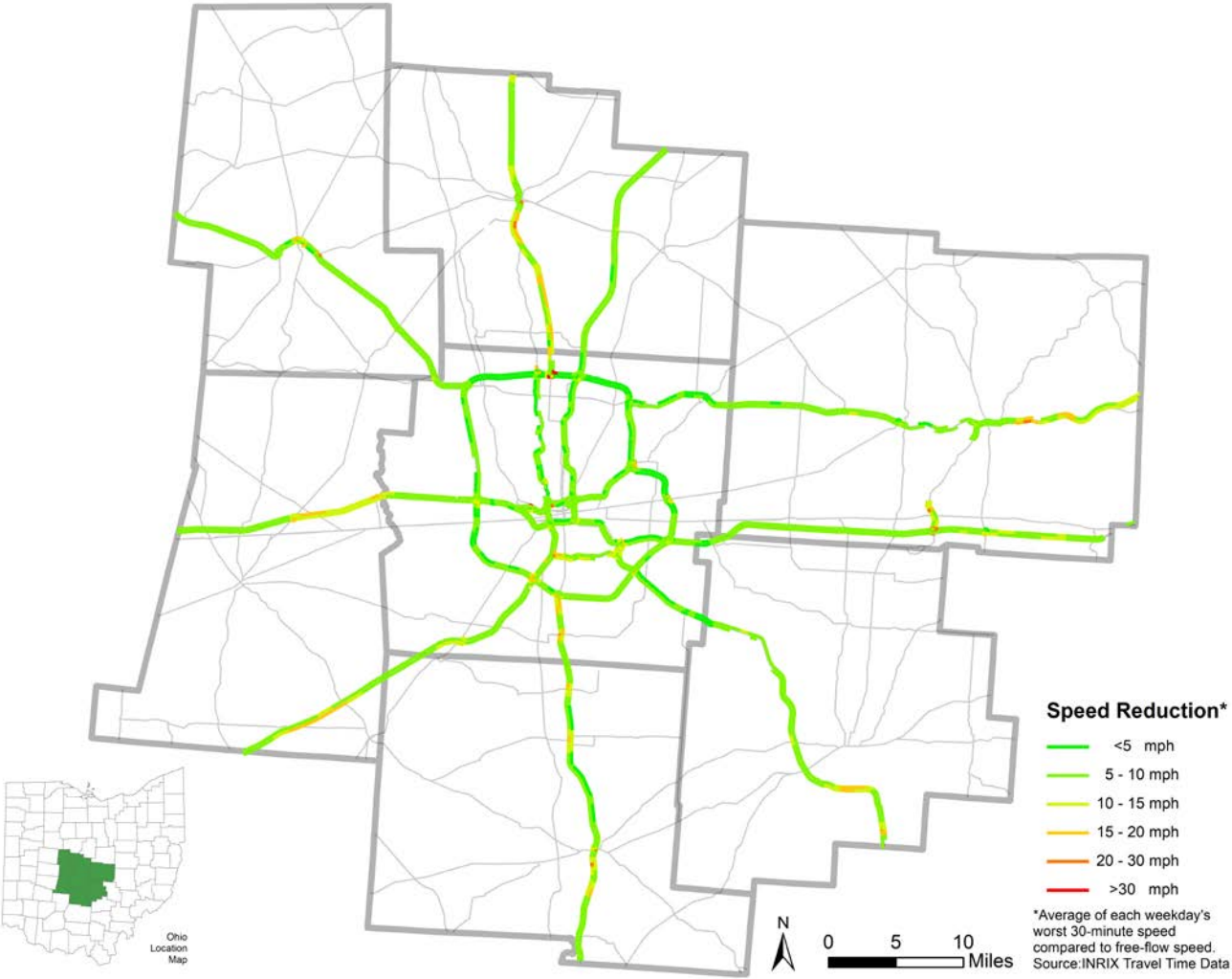
# Congested Peak Period Speed Reduction

Week of March 30

AM

PM

W

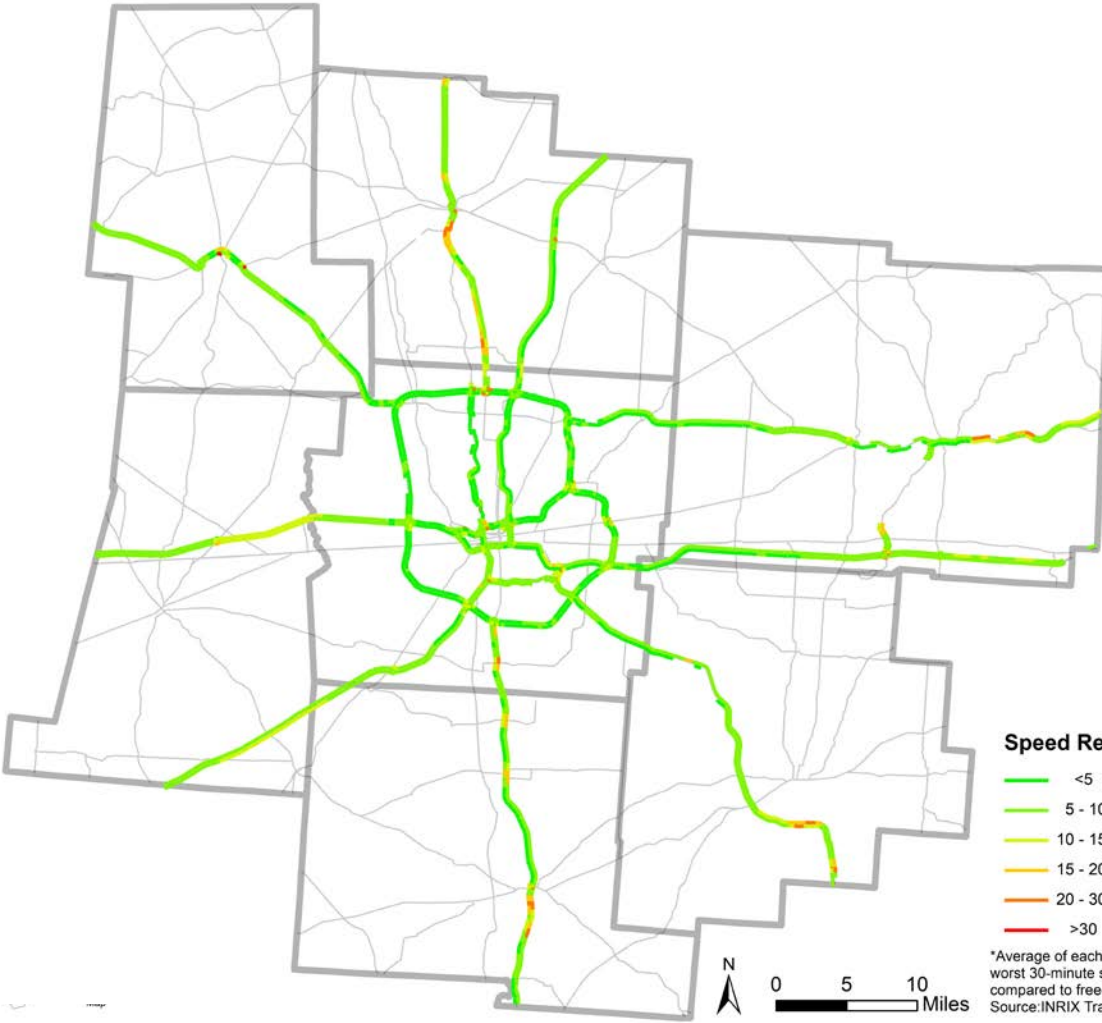
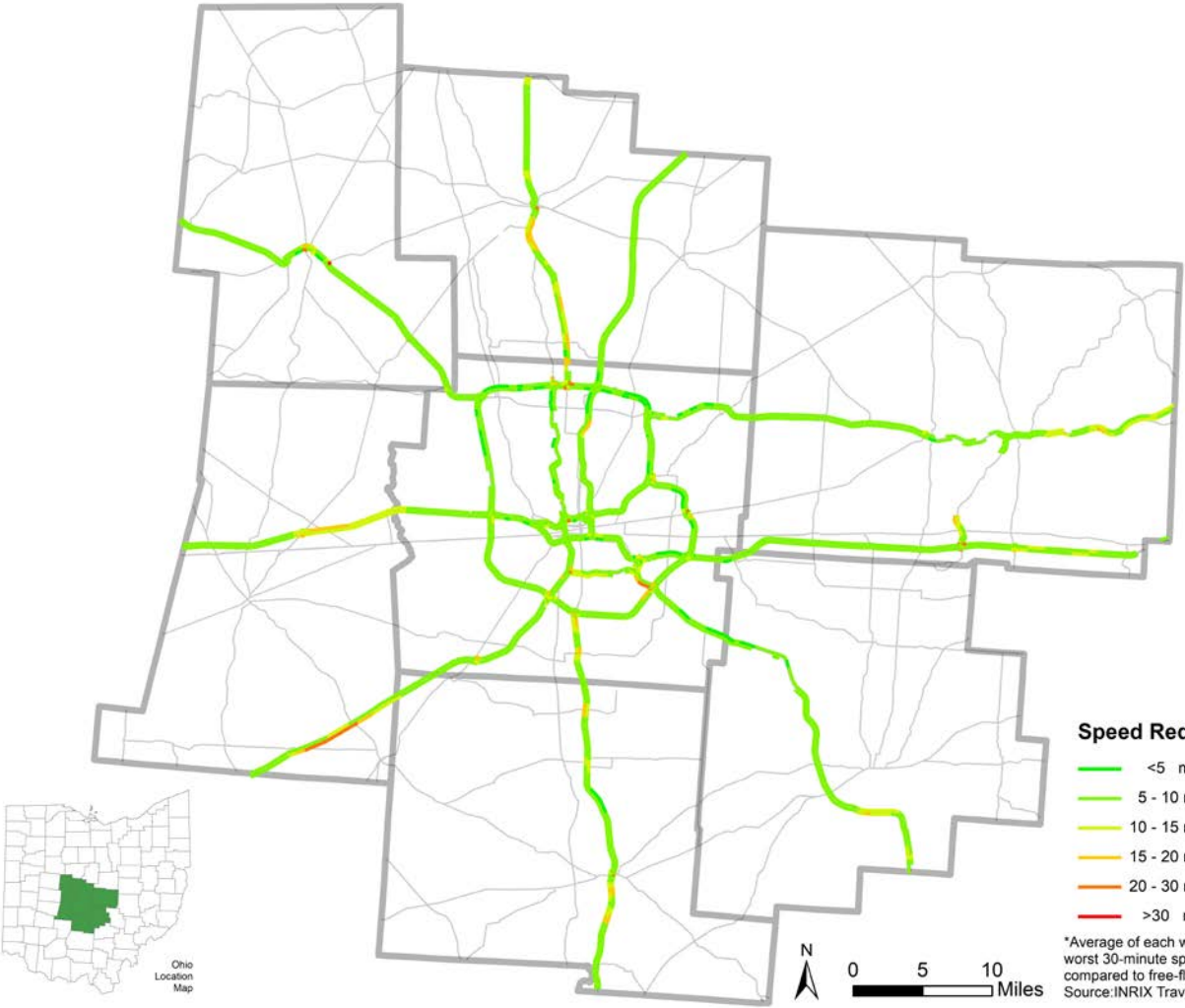


# Congested Peak Period Speed Reduction

Week of April 6

AM

PM



Ohio Location Map



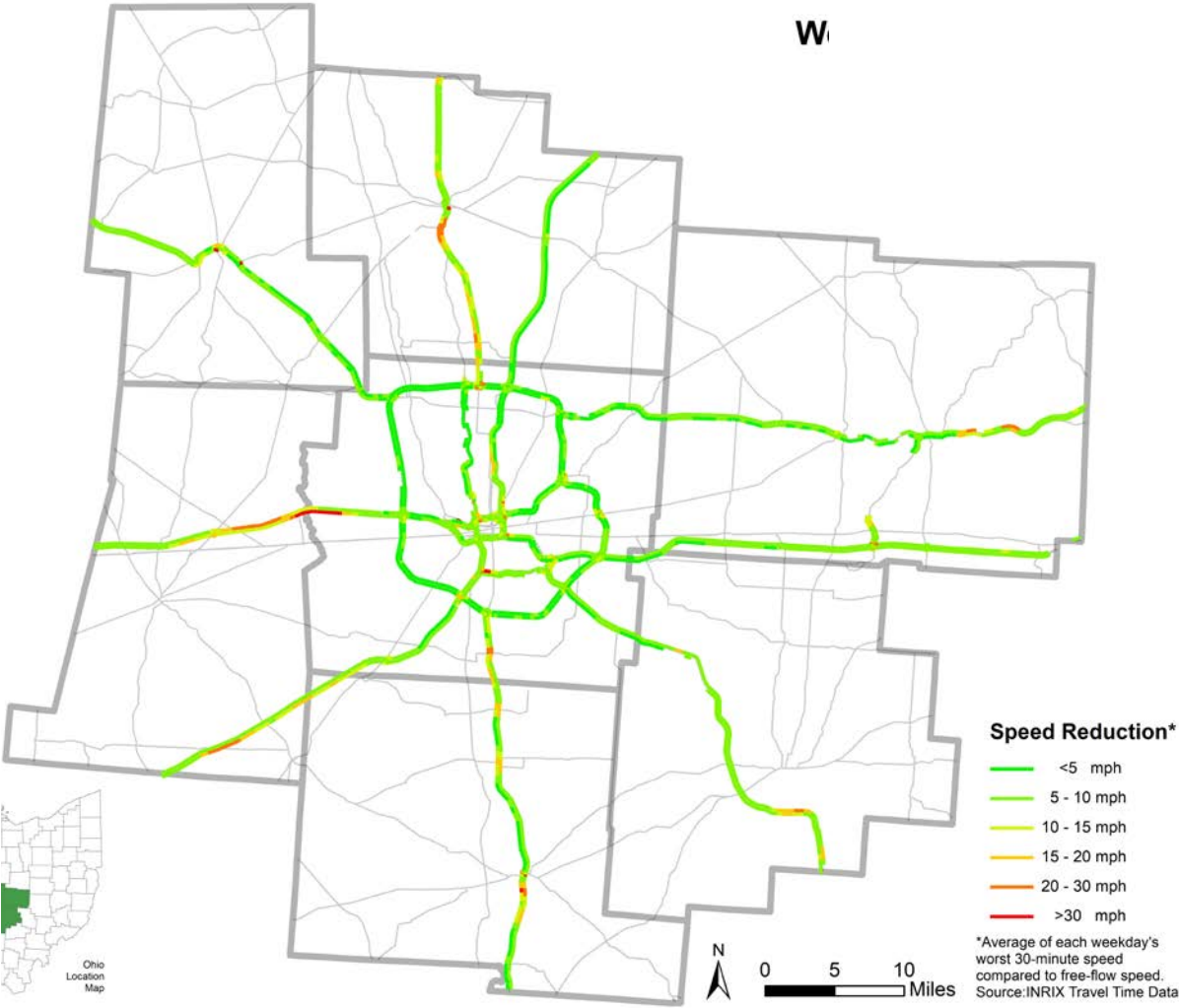
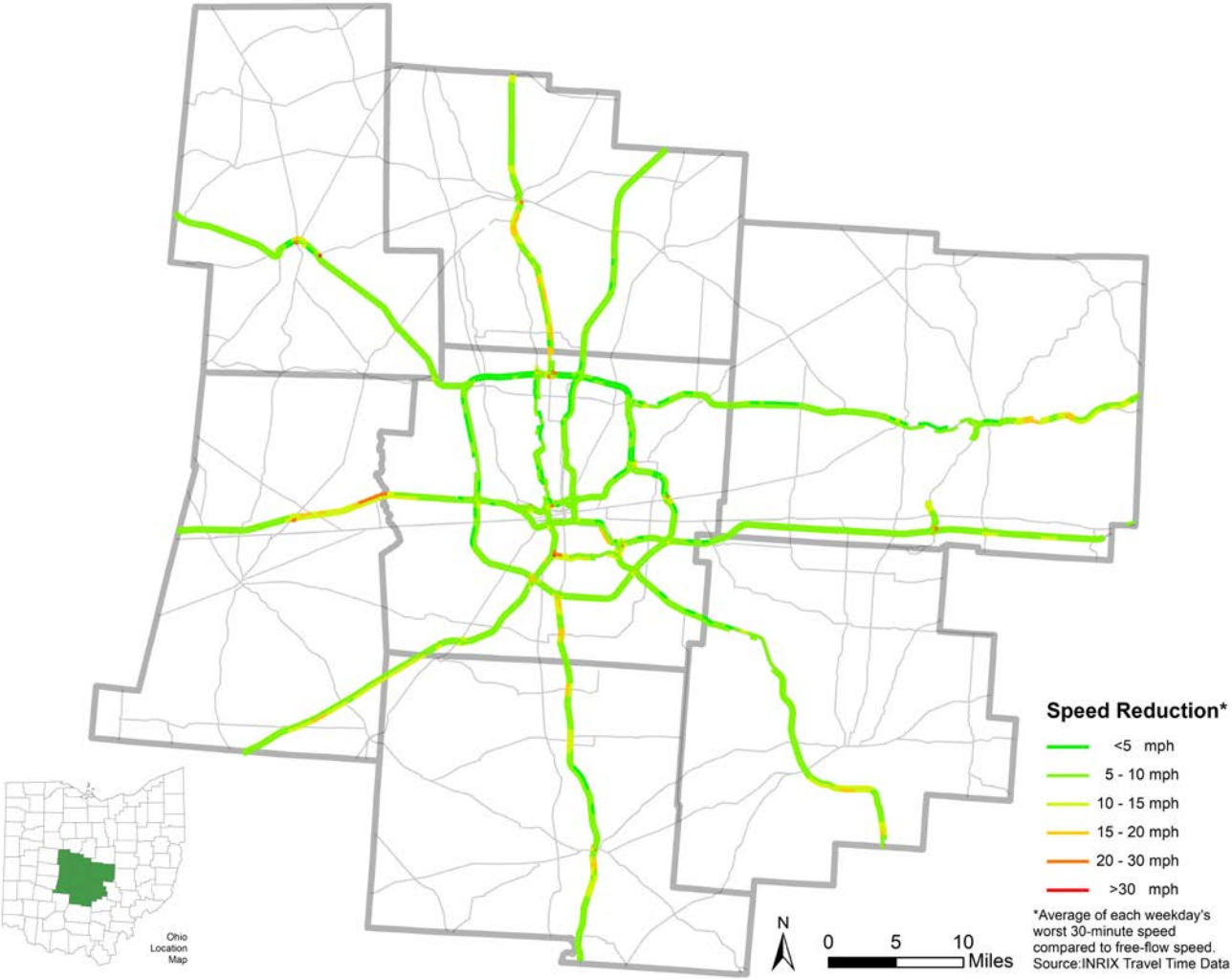
# Congested Peak Period Speed Reduction

Week of May 4

AM

PM

W

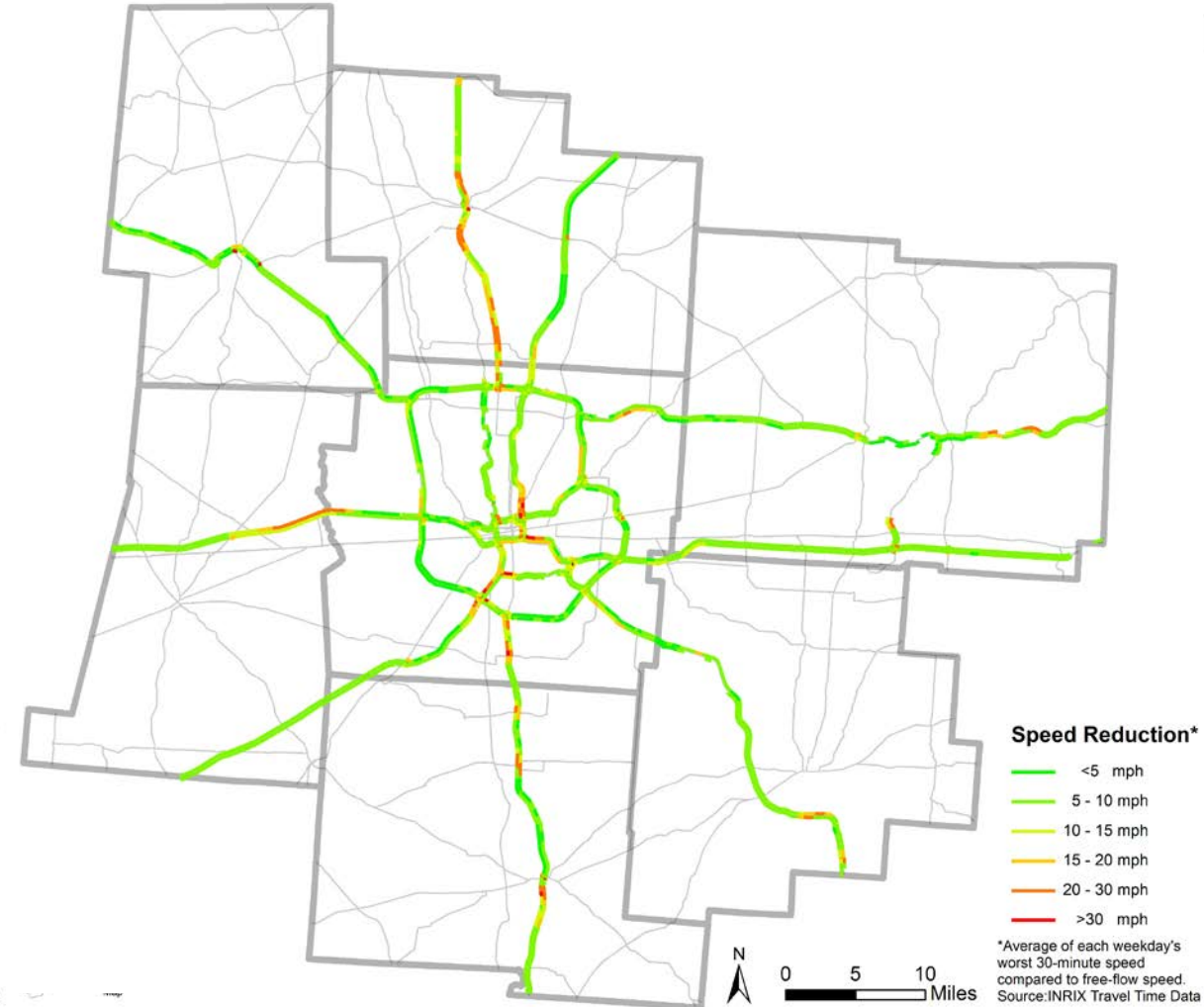
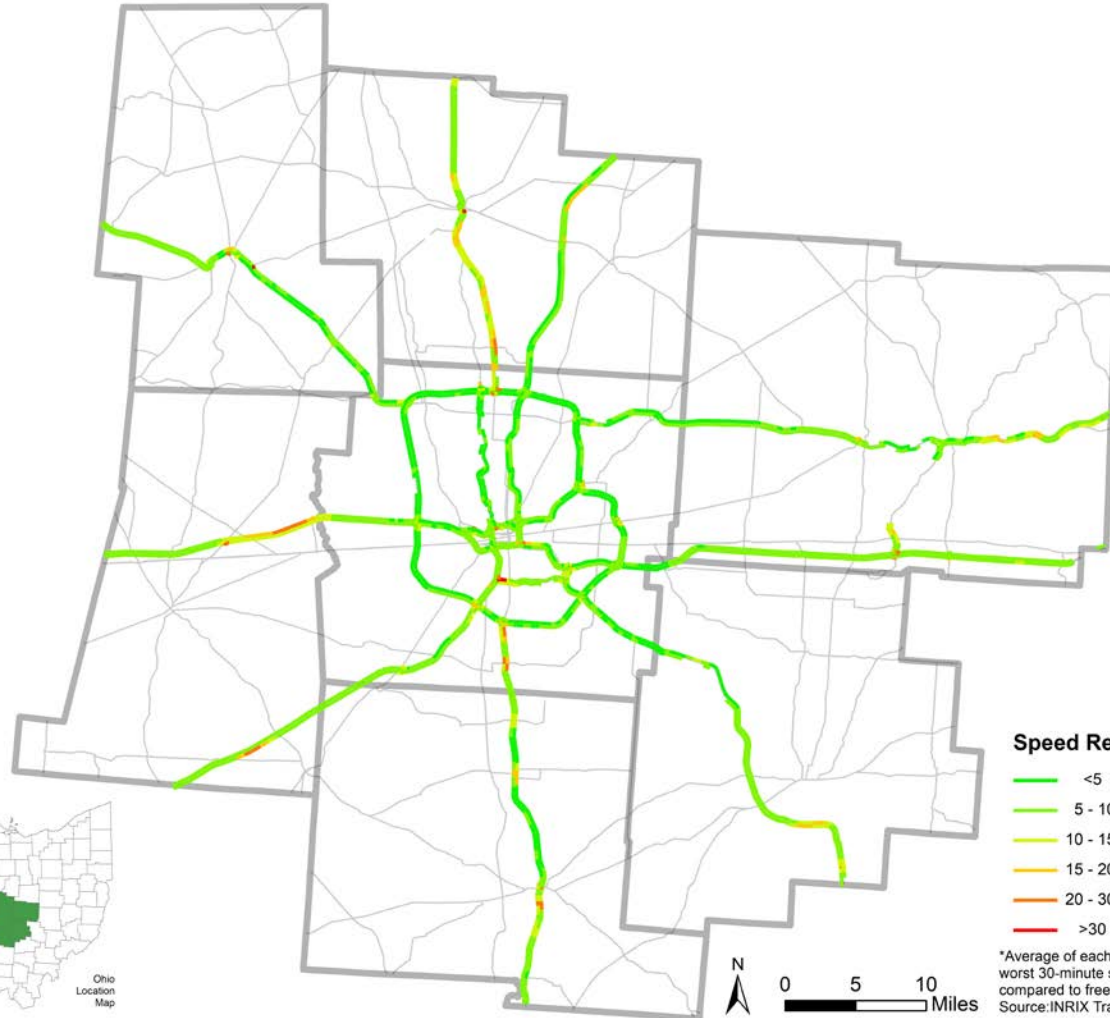


# Congested Peak Period Speed Reduction

Week of June 15

AM

PM



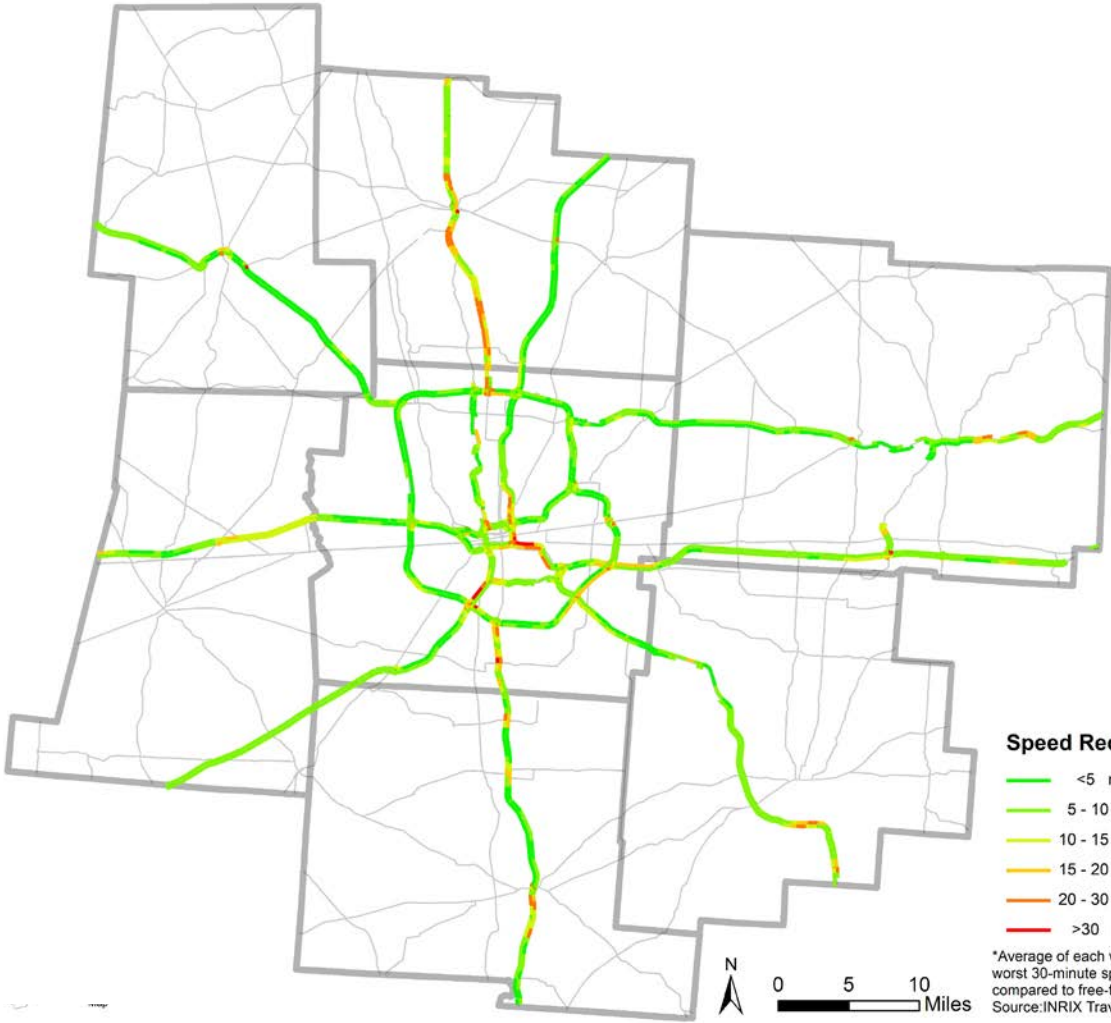
# Congested Peak Period Speed Reduction

Week of July 13

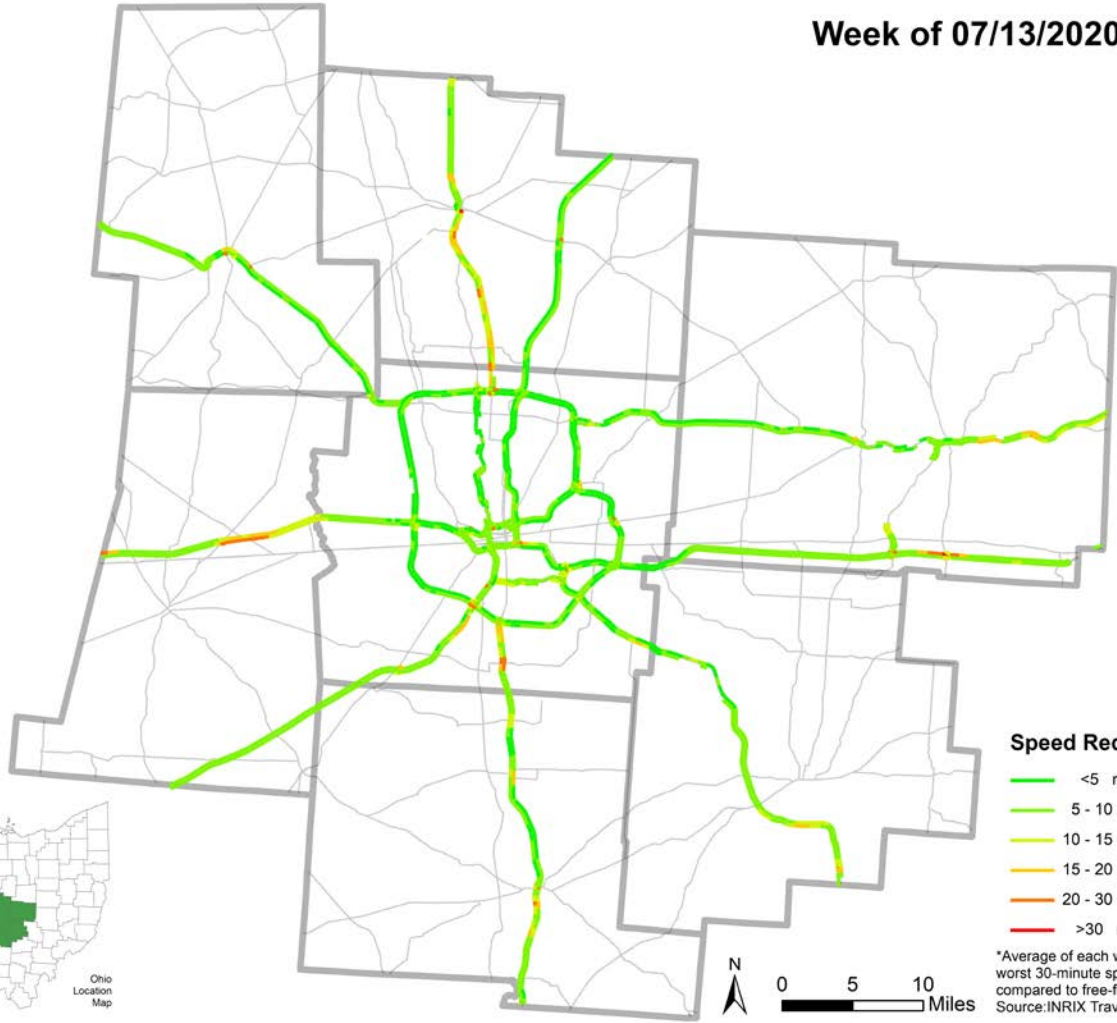
AM

PM

Week of 07/13/2020 - AM



Ohio Location Map





# Congested Peak Period Speed Reduction

Week of August 17

AM

PM



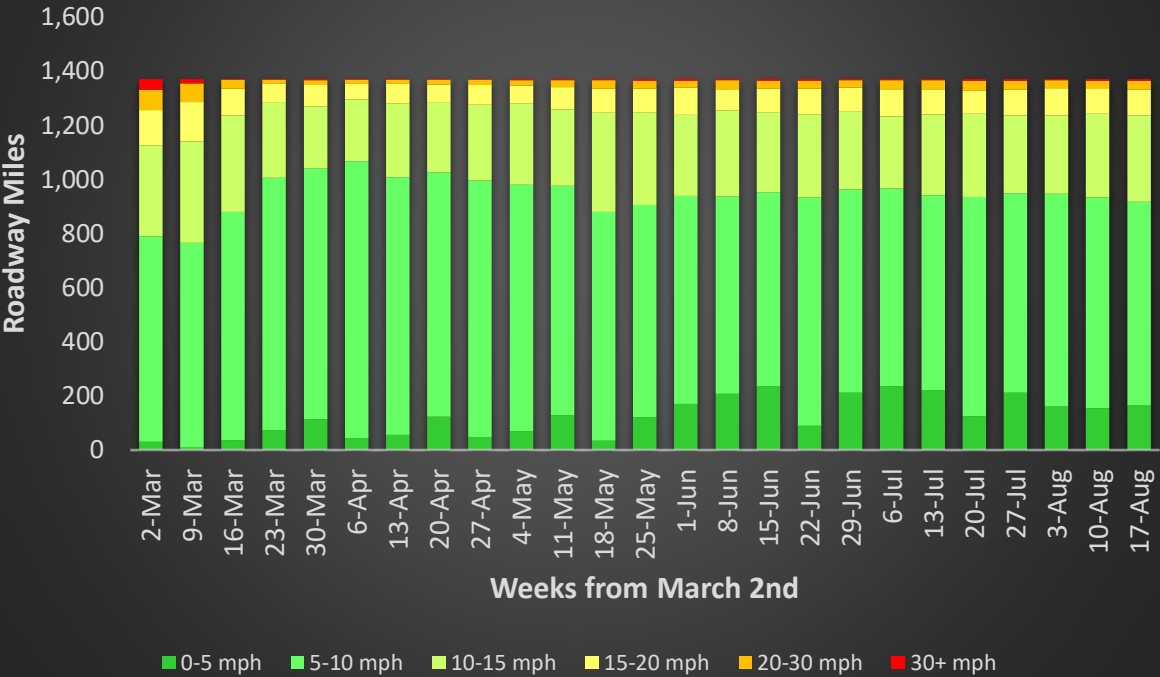
# Congested Peak Period Speed Reduction

Proportion of Miles – Freeways/Expressways

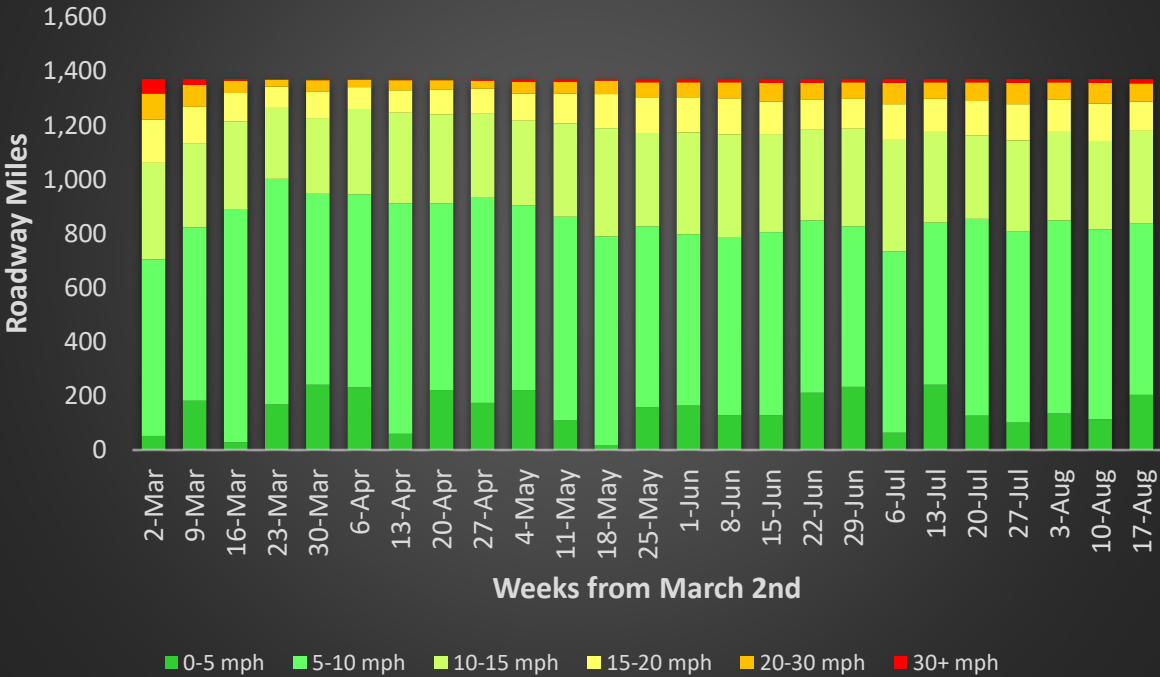
AM

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~



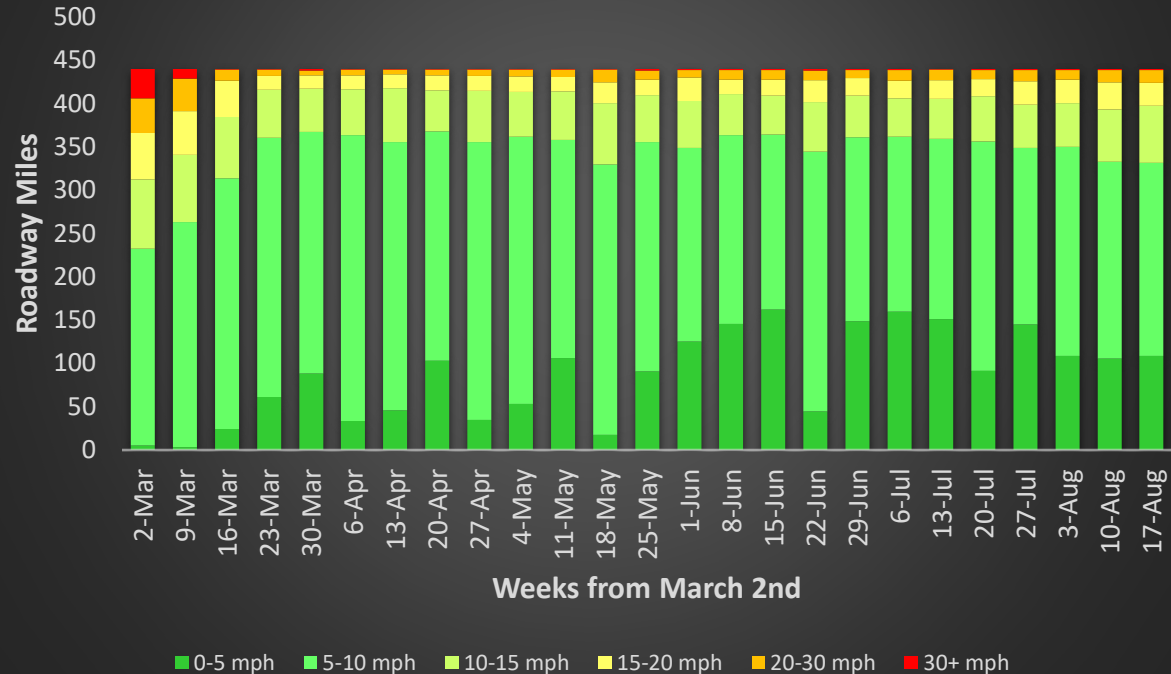
# Congested Peak Period Speed Reduction

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

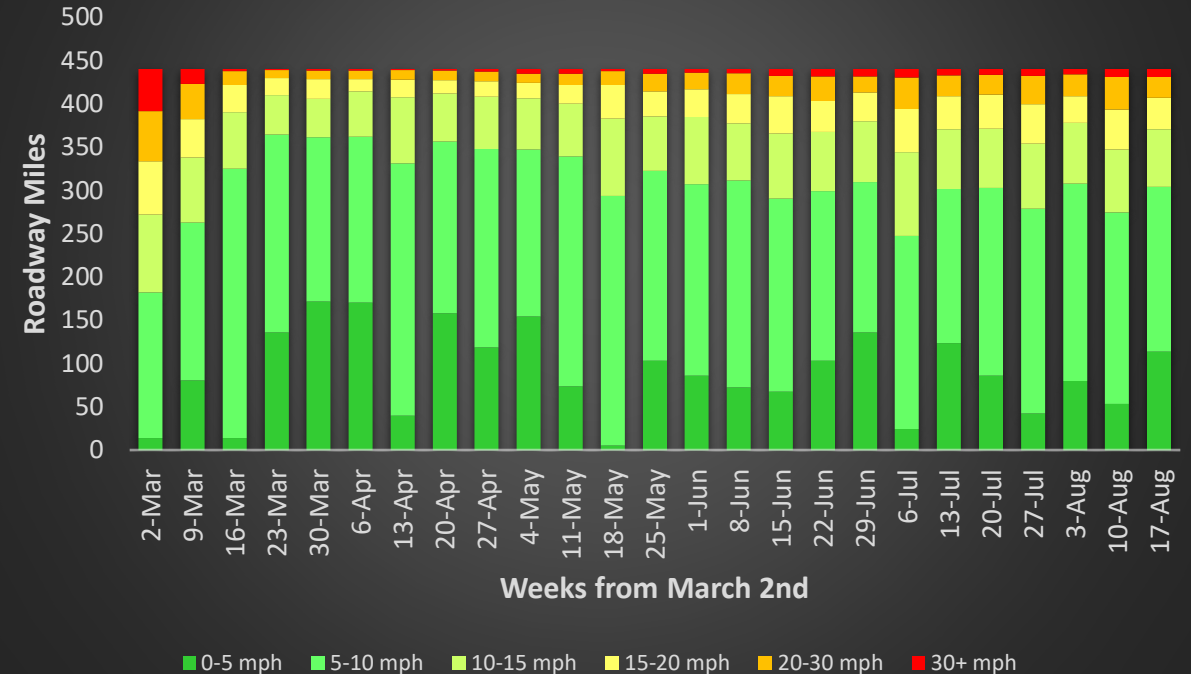
AM

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 FRANKLIN~



# AIR

## COVID-19

*Regional  
Transportation  
System  
Impacts*



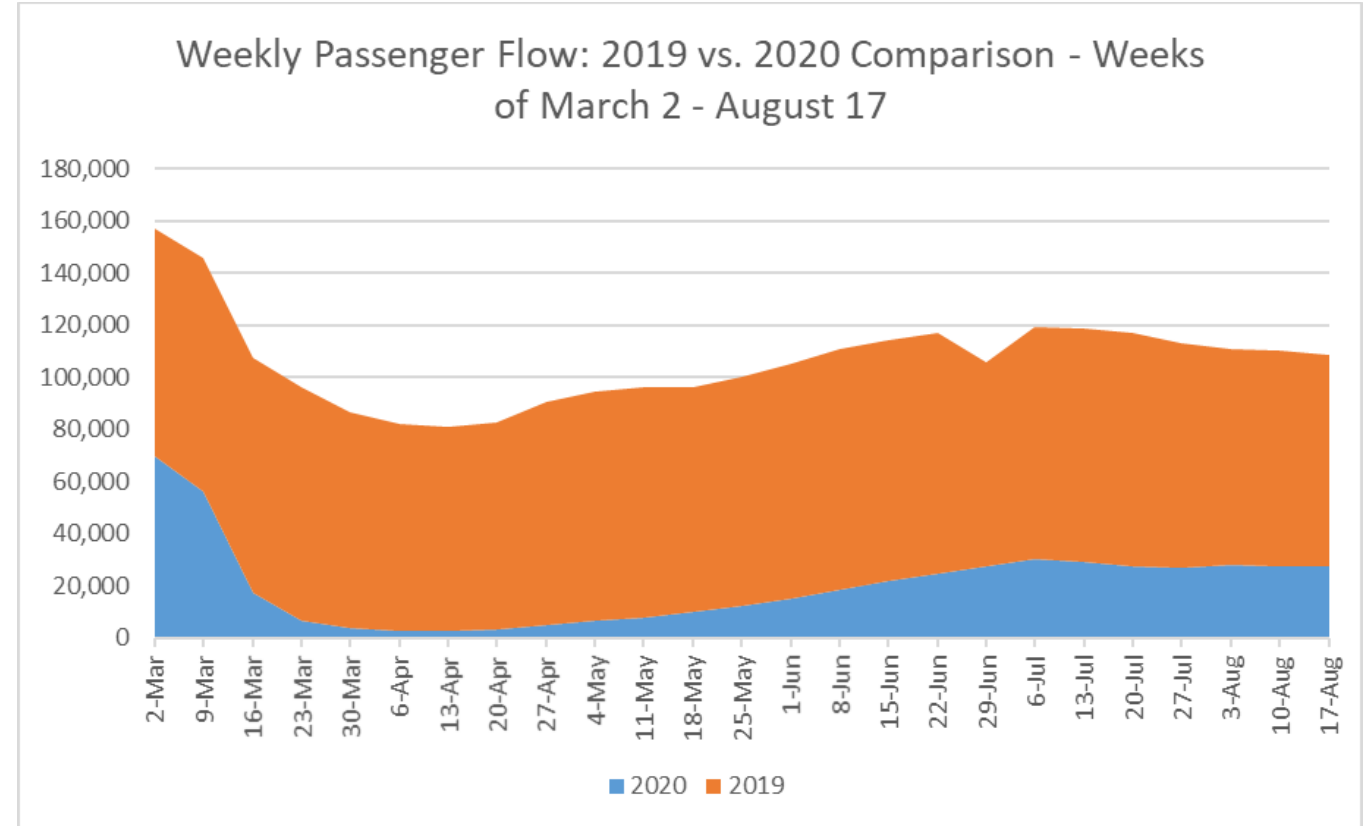
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# NUMBER OF PASSENGERS



MORPC

| Week of | % Change,<br>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.*



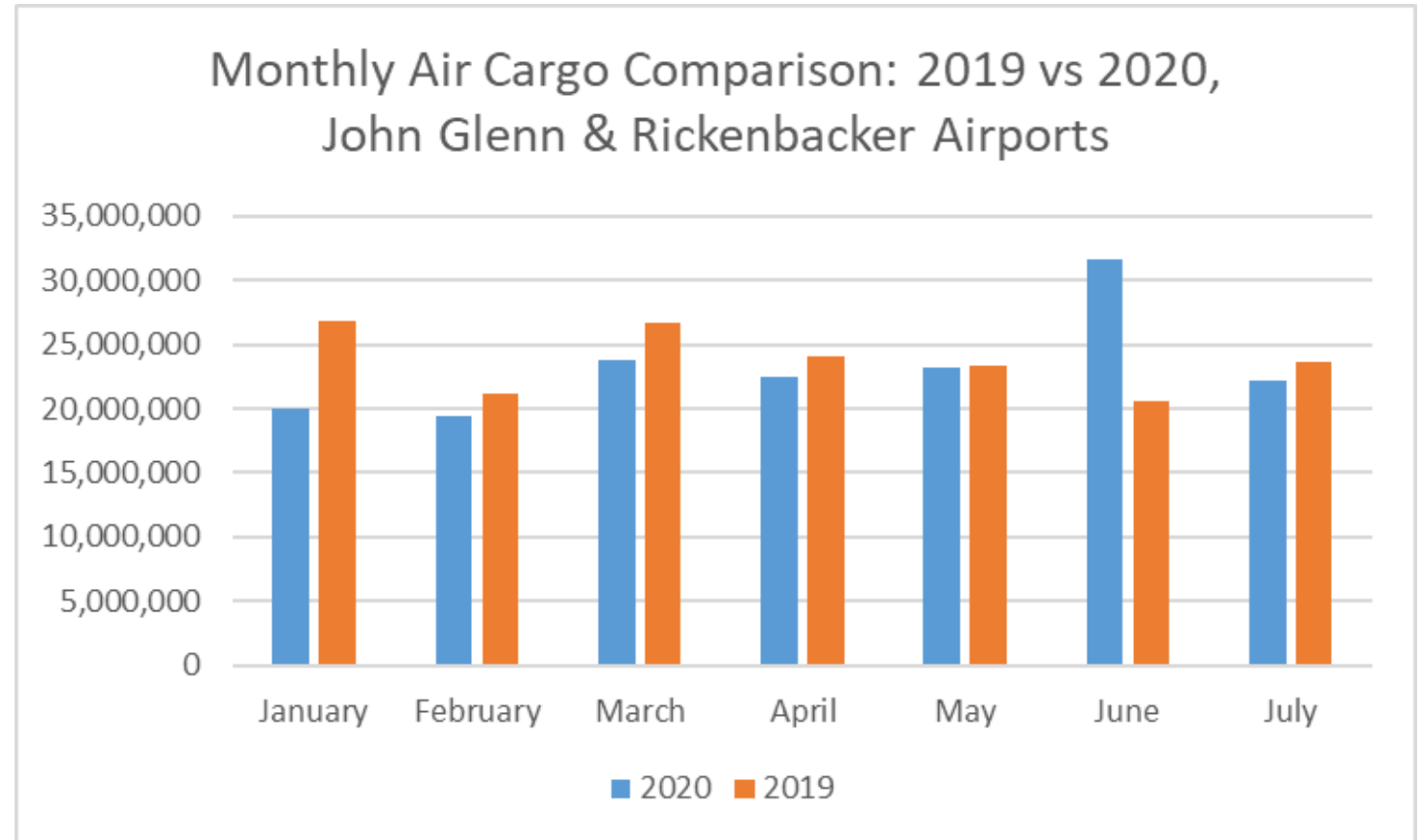
# AIR CARGO LBS (ENPLANED + DEPLANED)



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| 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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**MORPC**  
PLANNING COMMISSION

# Central Ohio Transit Authority



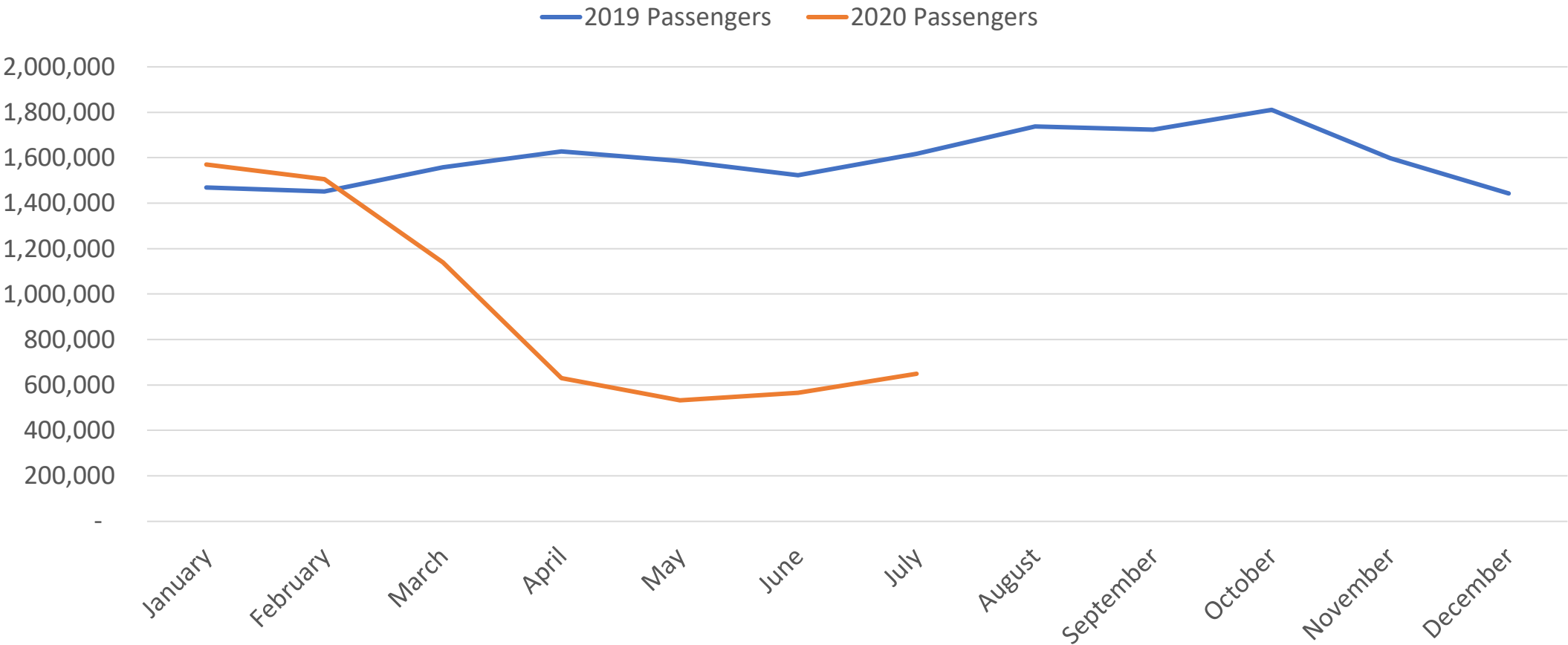
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## *Free Fares*

- *Fixed Route Service:*

- Scaled back service from 3/17 to 4/27 **down to 53%**
  - Minor service additions were added on 5/4 bringing service up to **57%**
  - Still providing additional bus service that picks up passengers passed up do to **20 passenger limited buses** on high ridership routes
  - In May responding 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 was launched on 8/24
  - **Newest Ridership information**
    - In June weekday ridership was at about **33%**
    - Weekend service was at about **50%**
- Since June**
- Trending up, averaging 23,000 rides per day in mid August
  - Heaviest lines remain Line 10, 1, and 2

## COTA Fixed Route Monthly Ridership



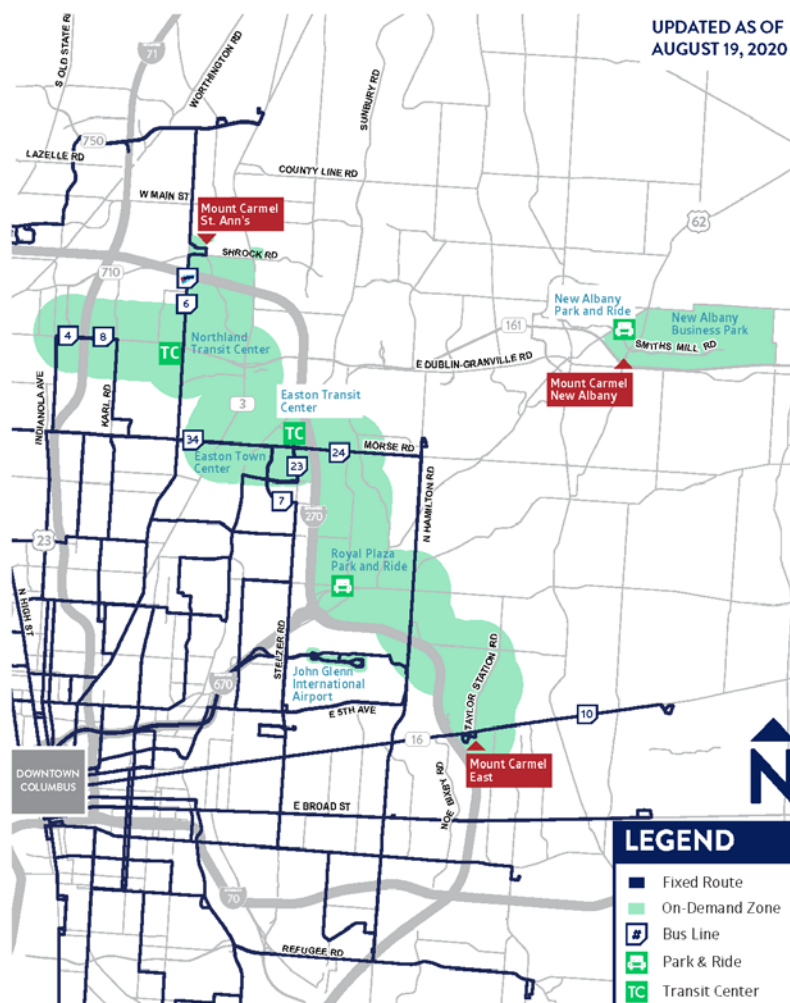


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## NORTHEAST ON DEMAND ZONE

COTA//PLUS

UPDATED AS OF  
AUGUST 19, 2020



## COTA//PLUS WESTERVILLE ZONE OF SERVICE

COTA//PLUS

UPDATED AS OF AUGUST 19, 2020



Emergency Northeast  
On-Demand COTA Plus  
Pilot to supplement  
missing service – May  
2020

Westerville COTA  
Plus launched  
August 2020

# Central Ohio Transit Authority Continue

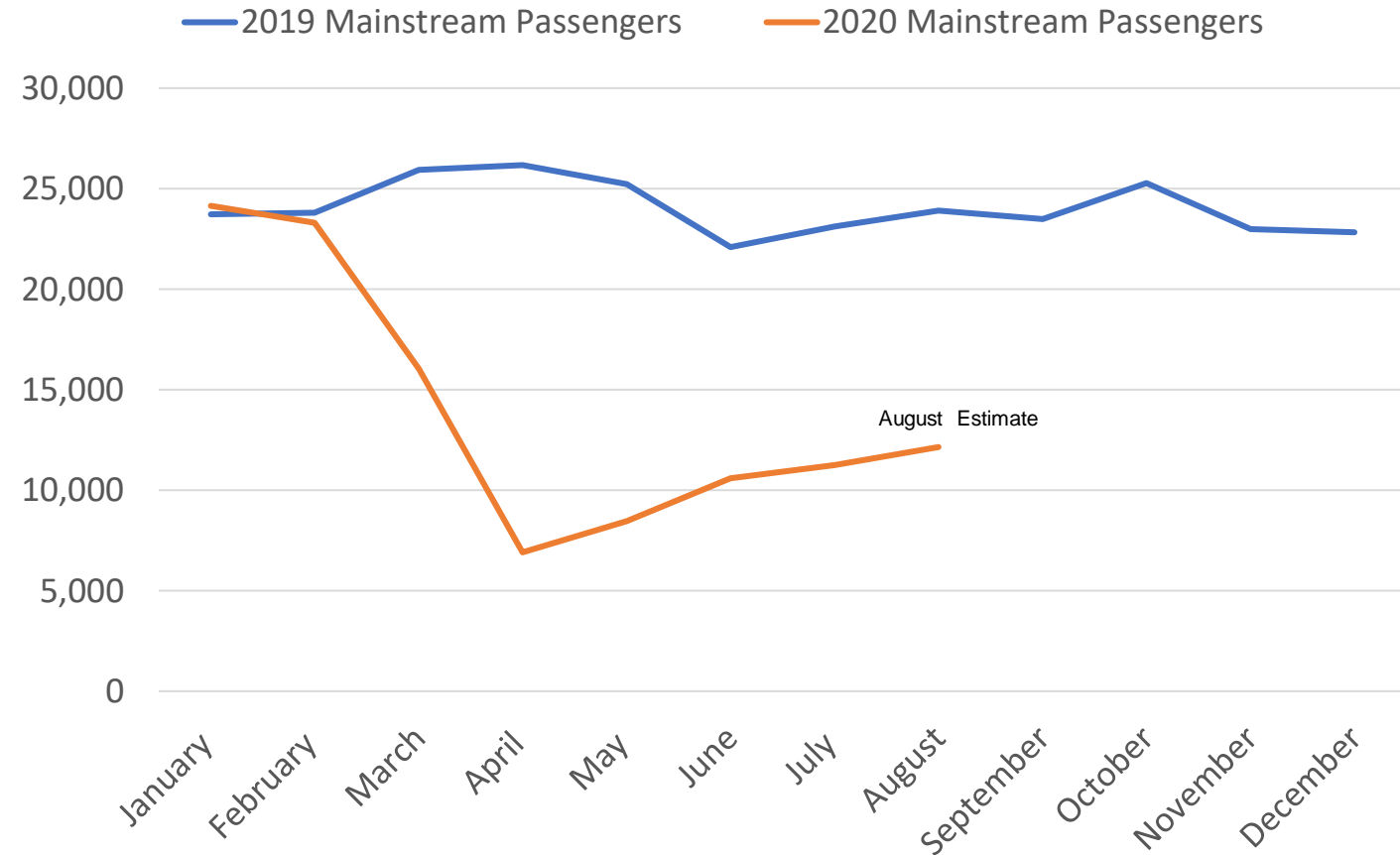


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- **Core Mainstream service:**

- 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

## COTA Core Mainstream Ridership



# Central Ohio Transit Authority Continue



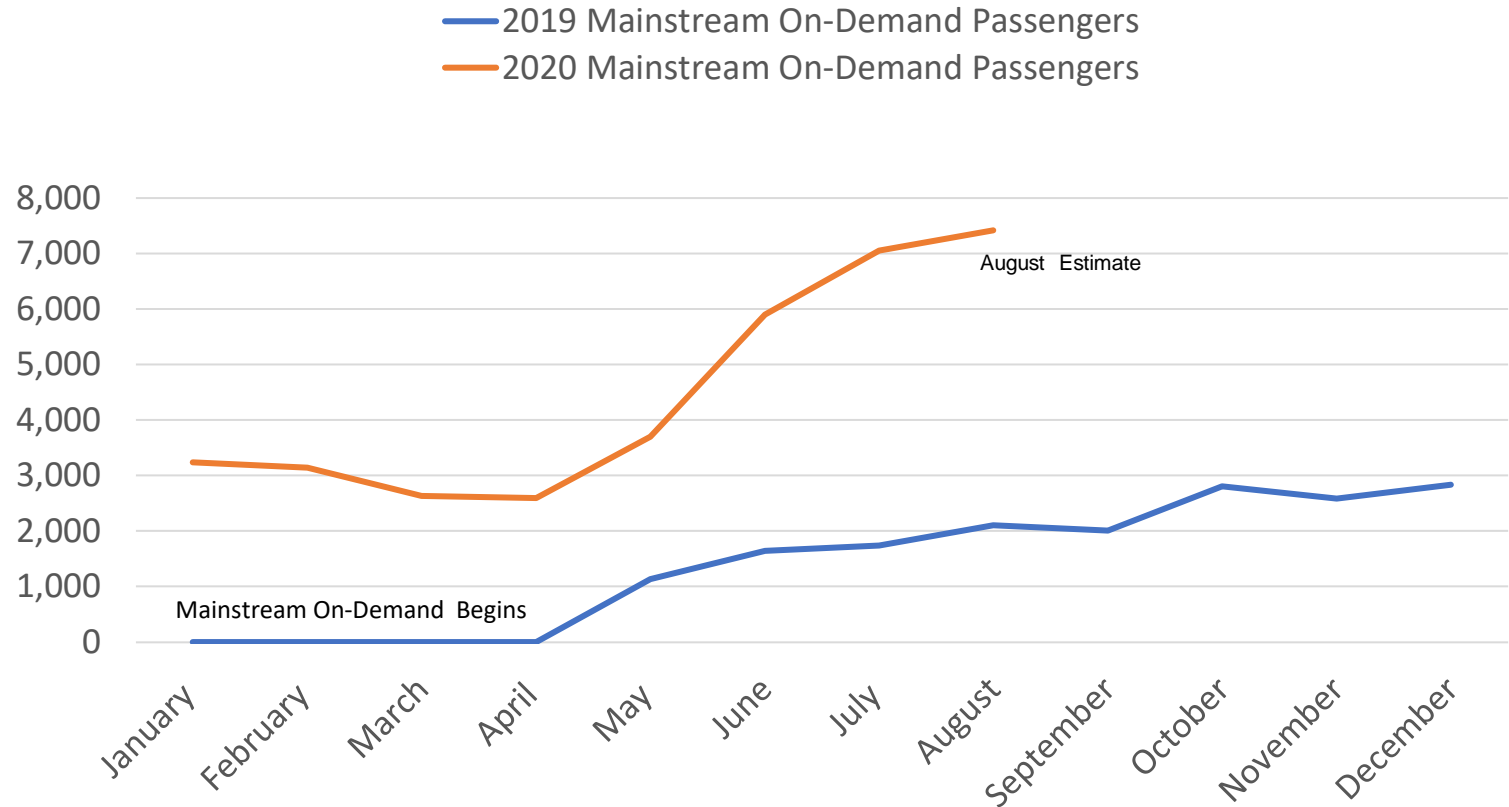
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- **Mainstream On-Demand:**

- Ride within one hour of request

- Ridership declined during the initial panic weeks in March
  - Ridership bounced back to **50% of normal** by the end of April
  - Record-setting growth has continued;  
**38% of all Mainstream rides were On-Demand** in July vs only 12% in January.
  - Free COTA fares are **shifting customer** preference to Mainstream On-Demand.

## COTA Mainstream on Demand Ridership



# Delaware County Transit



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## *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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