COVID-19

Regional Transportation System Impacts
IMPACT TRACKING

• Highway
• Air Travel
• Transit
• Trails
• Air Quality
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.
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 2 hour AM Peak Traffic

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

Franklin Co: AM PEAK Weekly Average Traffic Volume and Percent Reduction from 1st week of March
Week of March 2 through May 18
Weekday Average 2 hour PM Peak Traffic

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

Franklin Co: PM PEAK Weekly Average Traffic Volume and Percent Reduction from 1st week of March
Week of March 2 through May 18
From Traffic Volumes
to
Peak Period Congestion
Congested Peak Period Speed Reduction
Week of March 2nd
Congested Peak Period Speed Reduction
Week of March 9th

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
Congested Peak Period Speed Reduction
Week of March 16th

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.
Congested Peak Period Speed Reduction
Week of March 23rd

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
Congested Peak Period Speed Reduction
Week of March 30th

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.
Congested Peak Period Speed Reduction

Week of April 6th

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

*Average of each weekday’s worst 30-minute speed compared to free-flow speed. Source INRIX Travel Time Data
Congested Peak Period Speed Reduction
Week of April 13th

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
Congested Peak Period Speed Reduction
Week of April 20th
Congested Peak Period Speed Reduction
Week of May 4th

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
Congested Peak Period Speed Reduction
Week of May 18th

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.
Congested Peak Period Speed Reduction
Week of May 25th

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.
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 – All Roads with data

AM

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

PM

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

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~

Weeks from March 2nd

Weeks from March 2nd

Roadway Miles

Roadway Miles

Roadway Miles

Roadway Miles

30-5 mph
5-10 mph
10-15 mph
15-20 mph
20-30 mph
30+ mph

0-5 mph
5-10 mph
10-15 mph
15-20 mph
20-30 mph
30+ mph

0-5 mph
5-10 mph
10-15 mph
15-20 mph
20-30 mph
30+ mph
AIR TRAVEL

COVID-19

Regional Transportation System Impacts
<table>
<thead>
<tr>
<th>Week of</th>
<th>% Change, 2020 vs. 2019</th>
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</thead>
<tbody>
<tr>
<td>2-Mar</td>
<td>-20%</td>
</tr>
<tr>
<td>9-Mar</td>
<td>-37%</td>
</tr>
<tr>
<td>16-Mar</td>
<td>-81%</td>
</tr>
<tr>
<td>23-Mar</td>
<td>-93%</td>
</tr>
<tr>
<td>30-Mar</td>
<td>-95%</td>
</tr>
<tr>
<td>6-Apr</td>
<td>-97%</td>
</tr>
<tr>
<td>13-Apr</td>
<td>-97%</td>
</tr>
<tr>
<td>20-Apr</td>
<td>-96%</td>
</tr>
<tr>
<td>27-Apr</td>
<td>-95%</td>
</tr>
</tbody>
</table>

Data Source: Columbus Regional Airport Authority (CRAA)
## AIR CARGO LBS (ENPLANED + DEPLANED)

<table>
<thead>
<tr>
<th>Month</th>
<th>% Change, 2020 vs. 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>January</td>
<td>-25%</td>
</tr>
<tr>
<td>February</td>
<td>-8%</td>
</tr>
<tr>
<td>March</td>
<td>-11%</td>
</tr>
<tr>
<td>April</td>
<td>-7%</td>
</tr>
</tbody>
</table>

*Data Source: Columbus Regional Airport Authority (CRAA)*

[MONTHLY TOTAL AIR CARGO 2019 vs. 2020 COMPARISON](#)
TRANSIT

COVID-19

Regional Transportation System Impacts
Central Ohio Transit Authority

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 brining service up to **57%**
  - Mobility fixed route assistance service picks up passengers passed up do to **20 passenger limited buses** on high ridership routes
  - Ridership
    - The past few weeks weekday ridership is at about **33%**
    - Weekend service is at about **50%**

• **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**
  - The beginning of June ridership is back between **55 and 60%**

• **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.
Delaware County Transit

Free Fares until June 1\textsuperscript{st}

- Over all DCT’s ridership was \textbf{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\textsuperscript{rd}

- 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\textsuperscript{st}

- On June 1\textsuperscript{st} DCT begin a low fare FLEX call ahead pilot for service within Delaware City during the weekdays
TRAILS

COVID-19

Regional Transportation System Impacts
Central Ohio Greenways

- Metroparks and Greenways use:
  - April 2019: 1.02 Million visitors
  - April 2020: 1.36 Million visitors
  - 35% increase
AIR QUALITY

COVID-19

Regional Transportation System Impacts
2020 Ozone Pollution is 8% below 5-year average and running near 20-year low values.
Air Quality Media Coverage

The Columbus Dispatch
More Americans affected by air pollution

This Week Community News
MORPC Matters: Air pollution hard to see but even harder to ignore
Air Quality Monitoring Subcommittee