COVID-19 Impact to Traffic
Lake County Division of Transportation

April 9, 2020
Executive Summary

Illinois State Mandates:
1. The State of Illinois has mandated that all K-12 public and private schools, including those in Lake County, close beginning March 17 to promote social distancing.
2. Beginning March 16, 2020 at 9 p.m., all businesses in Illinois that offer food or beverages for on-premises consumption - including restaurants, bars, grocery stores, and food halls - must suspend service for and may not permit on-premises consumption.
3. Beginning March 18, 2020, all community events with 50 or more people in attendance should be cancelled or postponed through the duration of the Illinois Gubernatorial Disaster Proclamation.
4. On Friday, March 20, Illinois Gov. J.B. Pritzker announced a “stay-at-home” order to take effect Saturday evening, March 21 and continue through Tuesday, April 7.
5. On Tuesday, March 31, 2020, all executive orders are extended to April 30 to accommodate a federal extension of the social distancing recommendation.

Approach Average Daily Traffic (ADT)

<table>
<thead>
<tr>
<th>Intersection</th>
<th>Pre-COVID-19</th>
<th>March 31 - April 1</th>
<th>% Change</th>
<th>April 7/8</th>
<th>% Change</th>
<th>2019 Christmas</th>
<th>% Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butterfield/Virginia NB</td>
<td>13,291</td>
<td>5,217</td>
<td>-60.75%</td>
<td>6,531</td>
<td>-50.86%</td>
<td>3,994</td>
<td>-69.95%</td>
</tr>
<tr>
<td>Butterfield/Virginia SB</td>
<td>11,244</td>
<td>4,955</td>
<td>-55.93%</td>
<td>5,627</td>
<td>-49.96%</td>
<td>3,569</td>
<td>-68.26%</td>
</tr>
<tr>
<td>Lewis/Ballentine NB</td>
<td>12,877</td>
<td>8,847</td>
<td>-31.30%</td>
<td>9,120</td>
<td>-29.18%</td>
<td>9,332</td>
<td>-27.53%</td>
</tr>
<tr>
<td>Lewis/Ballentine SB</td>
<td>11,084</td>
<td>7,854</td>
<td>-29.14%</td>
<td>8,451</td>
<td>-23.75%</td>
<td>8,541</td>
<td>-22.94%</td>
</tr>
<tr>
<td>Rollins/Civic Center EB</td>
<td>16,944</td>
<td>10,315</td>
<td>-39.12%</td>
<td>10,400</td>
<td>-38.62%</td>
<td>9,618</td>
<td>-43.24%</td>
</tr>
<tr>
<td>Rollins/Civic Center WB</td>
<td>16,926</td>
<td>9,760</td>
<td>-42.34%</td>
<td>9,965</td>
<td>-41.13%</td>
<td>9,160</td>
<td>-45.88%</td>
</tr>
<tr>
<td>US 41/Old Elm NB</td>
<td>18,766</td>
<td>11,043</td>
<td>-41.15%</td>
<td>11,218</td>
<td>-40.22%</td>
<td>11,925</td>
<td>-36.45%</td>
</tr>
<tr>
<td>US 41/Old Elm SB</td>
<td>18,201</td>
<td>11,131</td>
<td>-38.84%</td>
<td>11,293</td>
<td>-37.95%</td>
<td>11,927</td>
<td>-34.47%</td>
</tr>
<tr>
<td>IL 21/IL 22 NB</td>
<td>16,930</td>
<td>7,031</td>
<td>-58.47%</td>
<td>7,307</td>
<td>-56.84%</td>
<td>6,067</td>
<td>-64.16%</td>
</tr>
<tr>
<td>IL 21/IL 22 SB</td>
<td>14,561</td>
<td>6,477</td>
<td>-55.52%</td>
<td>6,761</td>
<td>-53.57%</td>
<td>5,229</td>
<td>-64.09%</td>
</tr>
<tr>
<td>Washington/Six Flags EB</td>
<td>14,991</td>
<td>6,755</td>
<td>-54.94%</td>
<td>6,761</td>
<td>-53.79%</td>
<td>5,146</td>
<td>-65.67%</td>
</tr>
<tr>
<td>Washington/Six Flags WB</td>
<td>14,369</td>
<td>6,395</td>
<td>-55.49%</td>
<td>6,928</td>
<td>-52.62%</td>
<td>4,758</td>
<td>-66.89%</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td><strong>180,184</strong></td>
<td><strong>95,780</strong></td>
<td><strong>-46.84%</strong></td>
<td><strong>100,409</strong></td>
<td><strong>-44.27%</strong></td>
<td><strong>89,266</strong></td>
<td><strong>-50.46%</strong></td>
</tr>
</tbody>
</table>

Note: Pre-COVID-19 volumes and travel times are averages from February 25-27, 2020 and March 3-5, 2020. % Change is a comparison to Pre-COVID-19 traffic volumes.

Major Conclusions:
Overall, there is another increasing trend in traffic volumes this week compared to last week. The larger increase from last week to this week could be contributed to the warmer weather.
- March 31/April 1: high temps in the 40s (°F)
- April 7/8: high temps in the 70s/60s (°F)

LCDOT made a systemwide timing change to all LCDOT traffic signals on March 20, 2020, Cook County and Highland Park traffic signals on March 30, 2020 and IDOT traffic signals on March 31, 2020.
**Butterfield Rd**
ADT: Butterfield/Virginia
Travel Time: Butterfield Rd, between IL 137 & Allanson Rd
Lewis Ave
ADT: Lewis/Ballentine
Travel Time: Lewis Ave, between Wadsworth Rd & Sunset Ave

**Lewis Ave NB Volume/Travel Times Comparison**
- Pre-COVID-19 Traffic Volumes
- March 24/25, 2020 Traffic Volumes
- March 31-April 1, 2020 Traffic Volumes
- April 7/8, 2020 Traffic Volumes
- Pre-COVID-19 Travel Times
- March 24/25, 2020 Travel Times
- March 31-April 1, 2020 Travel Times
- April 7/8, 2020 Travel Times

**Lewis Ave SB Volume/Travel Times Comparison**
- Pre-COVID-19 Traffic Volumes
- March 24/25, 2020 Traffic Volumes
- March 31-April 1, 2020 Traffic Volumes
- April 7/8, 2020 Traffic Volumes
- Pre-COVID-19 Travel Times
- March 24/25, 2020 Travel Times
- March 31-April 1, 2020 Travel Times
- April 7/8, 2020 Travel Times
**Rollins Rd**
ADT: Rollins/Civic Center
Travel Time: Rollins Rd, between Fairfield Rd & IL 83
US 41
ADT: US 41/Old Elm

US 41 NB Volume Comparison

US 41 SB Volume Comparison
IL 21
ADT: IL 21/IL 22
Travel Time: IL 21, between IL 60 & Lake Cook Rd

IL 21 NB Volume/Travel Times Comparison

IL 21 SB Volume/Travel Times Comparison
**Washington St**
ADT: Washington/Six Flags
Travel Time: Washington St, between US 45 & IL 131

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**Washington St EB Volume/Travel Times Comparison**

- Pre-COVID-19 Traffic Volumes
- March 24/25, 2020 Traffic Volumes
- March 31-April 1, 2020 Traffic Volumes
- April 7/8, 2020 Traffic Volumes
- Pre-COVID-19 Travel Time
- March 24/25, 2020 Travel Time
- March 31-April 1, 2020 Travel Times
- April 7/8, 2020 Travel Times

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**Washington St WB Volume/Travel Times Comparison**

- Pre-COVID-19 Traffic Volumes
- March 24/25, 2020 Traffic Volumes
- March 31-April 1, 2020 Traffic Volumes
- April 7/8, 2020 Traffic Volumes
- Pre-COVID-19 Travel Time
- March 24/25, 2020 Travel Time
- March 31-April 1, 2020 Travel Times
- April 7/8, 2020 Travel Times