State of the Transportation System

July 20, 2020

How Polk County measures up...
STATE OF THE TRANSPORTATION SYSTEM

SAFETY

1. Polk Rank - Florida Counties
   - #6 Average Annual Fatalities (120)
   - #12 Average Annual Pedestrian Bike Fatalities and Serious Injuries (77)
   - #40 Average Annual Serious Injury Rate (6,884 serious injuries per 100 million vehicle miles)

Population
   - #9 (2019 Population Estimate: 690,606)

MOST

1. Average Annual Fatality Rate (1.65 fatalities per 100 million vehicle miles)
2. Average Annual Serious Injuries (491.4)
3. Average Annual Serious Injury Rate (6,884 serious injuries per 100 million vehicle miles)

Sources: UF; Bureau of Economic and Business Research; Florida Department of Transportation
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Safety

2019 Traffic Fatalities

- Motor Vehicle (82 crashes, 91 fatalities)
- Pedestrian (22 crashes, 23 fatalities)
- Bicycle (6 crashes, 6 fatalities)

Source: Signal Four Analytics

2020 Traffic Fatalities

- Motor Vehicle: 29
- Pedestrian: 10
- Bicycle: 1

Through June 30, 2020
State of the Transportation System

Safety
All Crashes

2014 - 2018 Crash Totals
Per Mile

- < 49
- 50 - 99
- 100 - 199
- 200 - 299
- > 300

Source: Polk TPO (2020 Roadway Network Database)
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Bicycle & Pedestrian Crashes

Pedestrian Injuries & Fatalities 2016 - 2019
- Fatality (55)
- Incapacitating Inj. (79)
- Other Injuries (219)

Bicycle Injuries & Fatalities 2016 - 2019
- Fatality (9)
- Incapacitating Inj. (30)
- Other Injuries (97)

Source: Signal Four Analytics.
Data from 7/1/16 - 6/30/19
MOBILITY

Daily Vehicle Miles Traveled

VMT = Traffic Volume x Miles Traveled
Public Roads in Polk - FDOT Estimate

- 3% Heavily Congested roads at or below level-of-service standard

1990: 10.5 million
1990: 405,382

2018: 21 million
2018: 708,009

VMT increased 32% between 2013 and 2018

Between 1990 and 2018, Polk County's population increased by 74%. Vehicle miles traveled increased by 100% for the same time period.

Average Travel Speed

- State Highway System: SPEED 49
- Freeways: SPEED 68
Central Florida Traffic

2019 Annual Average Daily Traffic (AADT)

- <20,000
- 20,000 - 34,999
- 35,000 - 74,999
- 75,000 - 124,999
- 125,000 - 174,999
- >175,000

Source: Florida Department of Transportation (FDOT)
## Traffic

### Most Heavily Traveled Roads in the Region

<table>
<thead>
<tr>
<th>Road</th>
<th>2019 Annual Average Daily Traffic (AADT)</th>
<th>Trend 2018 vs 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Interstate 275</strong> – West of I-4 (Tampa)</td>
<td>230,000</td>
<td>+5,000</td>
</tr>
<tr>
<td><strong>Interstate 4</strong> – E of SR 535 (Orlando)</td>
<td>224,000</td>
<td>-11,000</td>
</tr>
<tr>
<td><strong>SR 408</strong> – West of I-4 (Orlando)</td>
<td>101,000</td>
<td>+14,000</td>
</tr>
<tr>
<td><strong>SR 54</strong> – West of I-75 (Pasco Co.)</td>
<td>76,000</td>
<td>+1,000</td>
</tr>
</tbody>
</table>
2019 Traffic Volume

2019 Annual Average Daily Traffic (AADT)

- < 9,999
- 10,000 - 14,999
- 15,000 - 19,999
- 20,000 - 39,999
- 40,000 - 59,999
- 60,000 - 119,999
- > 120,000

Source: Polk TPO (2020 Roadway Network Database) and the Florida Department of Transportation (FDOT).
## Traffic
### Most Heavily Traveled Roads in Polk County

<table>
<thead>
<tr>
<th>Road</th>
<th>2019 Annual Average Daily Traffic (AADT)</th>
<th>Trend 2018 vs 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interstate 4 – East of US 27</td>
<td>134,000</td>
<td>+3,000</td>
</tr>
<tr>
<td>Interstate 4 – East of Hillsborough County Line</td>
<td>139,000</td>
<td>+3,500</td>
</tr>
<tr>
<td>US 27 – south of Interstate 4</td>
<td>63,391</td>
<td>+3,236</td>
</tr>
<tr>
<td>US 98 – south of Polk Parkway (SR 570)</td>
<td>45,500</td>
<td>+100</td>
</tr>
<tr>
<td>SR 540 (Cypress Garden Blvd) – east of US 17</td>
<td>37,000</td>
<td>+1,000</td>
</tr>
<tr>
<td>US 98 – north of Interstate 4</td>
<td>53,000</td>
<td>+1,500</td>
</tr>
</tbody>
</table>
2019 Congested Corridors

PM Peak-Hour Volume/Capacity

- Uncongested (1,106.73 Miles)
- Approaching Congestion (95 Miles)
- Congested (36.87 Miles)

Source: Polk TPO (2020 Roadway Network Database)
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2024 Congested Corridors

5-Year Forecast - PM Pk-Hr Volume/Capacity (2024)

- Uncongested (1,067.41 Miles)
- Approaching Congestion (146.86 Miles)
- Congested (23.35 Miles)

Source: Polk TPO (2020 Roadway Network Database)
Lakeland Traffic Trend 2005 - 2019

<table>
<thead>
<tr>
<th>Road</th>
<th>Trend 2005 - 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polk Parkway west of US 98</td>
<td>+20,600</td>
</tr>
<tr>
<td>Interstate 4 west of Polk Parkway</td>
<td>+37,700</td>
</tr>
<tr>
<td>US 98 Edgewood Dr to Lake Parker</td>
<td>+6,500</td>
</tr>
<tr>
<td>US 98 Downtown to north of I-4</td>
<td>-3,100 to -6,900</td>
</tr>
<tr>
<td>US 92 Wabash to Lake Parker Ave</td>
<td>-6,100 to -8,400</td>
</tr>
<tr>
<td>SR 37 Ariana St to Main St</td>
<td>-5,900</td>
</tr>
<tr>
<td>Drane Field Rd Airport to Waring Rd</td>
<td>+2,500</td>
</tr>
<tr>
<td>County Line Rd W Pipkin to I-4</td>
<td>+7,500</td>
</tr>
</tbody>
</table>
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Winter Haven Traffic Trend 2005 - 2019

<table>
<thead>
<tr>
<th>Road</th>
<th>Trend 2005 - 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cypress Gardens Blvd E of US 17</td>
<td>+4,800 to +8,800</td>
</tr>
<tr>
<td>Cypress Gardens Blvd W of US 27</td>
<td>+7,400</td>
</tr>
<tr>
<td>CR 557 north of Lake Alfred</td>
<td>+9,100 (8,300)</td>
</tr>
<tr>
<td>Thompson Nursery Rd W of US 27</td>
<td>+3,700</td>
</tr>
<tr>
<td>Chalet Suzanne Rd E of US 27</td>
<td>+3,400</td>
</tr>
<tr>
<td>SR 60 east of US 98</td>
<td>-2,300</td>
</tr>
<tr>
<td>US 27 SR 542 to SR 544</td>
<td>+8,300</td>
</tr>
<tr>
<td>SR 544 US 92 to US 17</td>
<td>-2,800 to -4,800</td>
</tr>
<tr>
<td>US 17 (6th St) north of Ave K SW</td>
<td>-2,700</td>
</tr>
</tbody>
</table>
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Northeast Polk Traffic Trend 2005 - 2019

<table>
<thead>
<tr>
<th>Road</th>
<th>Trend 2005 - 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interstate 4 east of US 27</td>
<td>+60,500 (73,500)</td>
</tr>
<tr>
<td>US 27 south of Interstate 4</td>
<td>+23,491 (39,900)</td>
</tr>
<tr>
<td>Lake Wilson Rd N of CR 54</td>
<td>+13,600 (8,100)</td>
</tr>
<tr>
<td>Marigold Ave S of Cypress Parkway</td>
<td>+8,000 (9,500)</td>
</tr>
<tr>
<td>Cypress Parkway E of Poinciana Pkwy</td>
<td>+8,400 (7,500)</td>
</tr>
<tr>
<td>US 17/92 N of Hinson Avenue</td>
<td>-3,000</td>
</tr>
<tr>
<td>US 17/92 N of Davenport</td>
<td>+3,600</td>
</tr>
<tr>
<td>CR 544 E of SR 17 (Scenic Hwy)</td>
<td>-100</td>
</tr>
<tr>
<td>SR 544 west of US 27</td>
<td>+2,700</td>
</tr>
<tr>
<td>US 27 north of Interstate 4</td>
<td>+8,100</td>
</tr>
</tbody>
</table>
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Regional Multi-Use Trails

Existing + Committed Regional Trails
- Green: Existing Multi-Use Trails (65 Miles)
- Under Construction & Committed
- Yellow: Projects within the next 5 Years (24.75 Miles)
- Blue: PD&E Study Underway (26.55 miles)

Other Planned Regional Trails
- Black: Proposed Multi-Use Trails

Regional Trail Network
- Red: All Trails - Existing, Committed and Planned

Source: Polk TPO
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Sidewalks

Sidewalk Coverage
- Red: Full
- Green: Partial
- Black: None

Complete Street Network
- 31% of network with sidewalks
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Bicycle Facilities

Bicycle Facility Coverage
- Red: Full or Near Full Coverage
- Green: Partial Coverage
- Black: Little or No Coverage

Complete Street Network
- 38% of network with bicycle facilities
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**TRANSIT**

1.0635 MILLION
The Citrus Connection served more than 1,063,500 million passenger trips in FY 2019-20.

984,748 trips were provided on its regular fixed-route service.

78,787 trips were provided as a part of its door-to-door service for patrons unable to use the regular fixed-route system.
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Existing & Planned Transit

Existing & Planned Transit Service Enhancements

- Service Added
- Service Enhanced
- Existing Transit Routes
- Transit Terminal

Source: Polk County Transit Development Plan & Citrus Connection

Other Map Features

- SunRail Service
- Existing LYNX Transit Routes