

**TABLE C13.1a**  
**Year 2008 Seminole County Travel Time & Delay Study**  
**Howell Branch Road - Eastbound Direction Summary**

| Roadway Segment                   | Speed Limit | Distance (ft) | Traffic Control | Travel Time | Stop Delay | Roadway Class | Roadway Segment |     | Roadway Section |     | Roadway Summary  |                    |
|-----------------------------------|-------------|---------------|-----------------|-------------|------------|---------------|-----------------|-----|-----------------|-----|------------------|--------------------|
|                                   | (mph)       |               | Device          | (sec)       | (sec)      |               | Average Speed   |     | Average Speed   |     | Avg. Speed (mph) | Avg. Fuel Consump. |
|                                   |             |               |                 |             |            |               | (mph)           | LOS | (mph)           | LOS |                  |                    |
| <b>AM PEAK HOUR</b>               |             |               |                 |             |            |               |                 |     |                 |     |                  |                    |
| Lake Howell Rd. to Plaza Entrance | 40          | 1,584         | Signal          | 26.4        | 7.2        | II            | 40.9            | A   |                 |     |                  |                    |
| Plaza Entrance. to SR 436         | 40          | 1,056         | Signal          | 67.8        | 73.8       | II            | 10.6            | F   | 19.1            | D   |                  |                    |
| SR 436 to Eastbrook Blvd.         | 40          | 4,277         | Signal          | 75.0        | 27.0       | II            | 38.9            | A   | 38.9            | A   |                  |                    |
| Eastbrook Blvd. to Dike Rd.       | 40          | 2,482         | Signal          | 70.2        | 50.4       | II            | 24.1            | C   |                 |     |                  |                    |
| Dike Rd. to Emergency Signal      | 40          | 2,376         | Signal          | 36.6        | 0.0        | II            | 44.3            | A   |                 |     |                  |                    |
| Emergency Signal. to Dodd Rd.     | 40          | 1,267         | Signal          | 23.4        | 7.8        | II            | 36.9            | A   | 32.1            | B   |                  |                    |
| Dodd Rd. to Old Howell Branch Rd. | 40          | 1,901         | Signal          | 33.0        | 13.2       | II            | 39.3            | A   |                 |     |                  |                    |
| Old Howell Branch Rd. to SR 426   | 40          | 2,798         | Signal          | 143.4       | 94.8       | II            | 13.3            | E   | 18.2            | D   |                  |                    |
| <b>TOTAL</b>                      |             | 17,741        |                 | 475.8       | 274.2      |               |                 |     |                 |     | 25.4             | 0.11 gal/veh       |
| <b>PM PEAK HOUR</b>               |             |               |                 |             |            |               |                 |     |                 |     |                  |                    |
| Lake Howell Rd. to Plaza Entrance | 35          | 1,584         | Signal          | 62.4        | 33.0       | II            | 17.3            | D   |                 |     |                  |                    |
| Plaza Entrance. to SR 436         | 35          | 1,056         | Signal          | 68.4        | 33.0       | II            | 10.5            | F   | 13.8            | E   |                  |                    |
| SR 436 to Eastbrook Blvd.         | 40          | 4,277         | Signal          | 73.2        | 5.4        | II            | 39.8            | A   | 39.8            | A   |                  |                    |
| Eastbrook Blvd. to Dike Rd.       | 40          | 2,482         | Signal          | 60.0        | 21.6       | II            | 28.2            | B   |                 |     |                  |                    |
| Dike Rd. to Emergency Signal      | 40          | 2,376         | Signal          | 36.0        | 0.0        | II            | 45.0            | A   |                 |     |                  |                    |
| Emergency Signal. to Dodd Rd.     | 40          | 1,267         | Signal          | 22.2        | 5.4        | II            | 38.9            | A   | 35.3            | A   |                  |                    |
| Dodd Rd. to Old Howell Branch Rd. | 40          | 1,901         | Signal          | 30.0        | 5.4        | II            | 43.2            | A   |                 |     |                  |                    |
| Old Howell Branch Rd. to SR 426   | 40          | 2,798         | Signal          | 157.8       | 87.0       | II            | 12.1            | F   | 17.1            | D   |                  |                    |
| <b>TOTAL</b>                      |             | 17,741        |                 | 510.0       | 190.8      |               |                 |     |                 |     | 23.7             | 0.11 gal/veh       |

**TABLE C13.1b**  
**Year 2008 Seminole County Travel Time & Delay Study**  
**Howell Branch Road - Westbound Direction Summary**

| Roadway Segment                    | Speed Limit | Distance (ft) | Traffic Control | Travel Time | Stop Delay | Roadway Class | Roadway Segment |     | Roadway Section |     | Roadway Summary  |                    |
|------------------------------------|-------------|---------------|-----------------|-------------|------------|---------------|-----------------|-----|-----------------|-----|------------------|--------------------|
|                                    | (mph)       |               | Device          | (sec)       | (sec)      |               | Average Speed   |     | Average Speed   |     | Avg. Speed (mph) | Avg. Fuel Consump. |
|                                    |             |               |                 |             |            |               | (mph)           | LOS | (mph)           | LOS |                  |                    |
| <b>AM PEAK HOUR</b>                |             |               |                 |             |            |               |                 |     |                 |     |                  |                    |
| SR 426 to Old Howell Branch Rd.    | 40          | 2,798         | Signal          | 44.4        | 1.8        | II            | 43.0            | A   |                 |     |                  |                    |
| Old Howell Branch Rd. to Dodd Rd.  | 40          | 1,901         | Signal          | 49.2        | 28.8       | II            | 26.3            | C   | 34.2            | B   |                  |                    |
| Dodd Rd. to Emergency Signal       | 40          | 1,267         | Signal          | 19.2        | 0.0        | II            | 45.0            | A   |                 |     |                  |                    |
| Emergency Signal to Dike Rd        | 40          | 2,376         | Signal          | 88.2        | 39.0       | II            | 18.4            | D   |                 |     |                  |                    |
| Dike Rd. to Eastbrook Blvd.        | 40          | 2,482         | Signal          | 43.8        | 4.8        | II            | 38.6            | A   | 27.6            | C   |                  |                    |
| Eastbrook Blvd. to SR 436          | 40          | 4,277         | Signal          | 133.8       | 48.0       | II            | 21.8            | D   | 21.8            | D   |                  |                    |
| SR 436 to Plaza Entrance           | 40          | 1,056         | Signal          | 21.0        | 0.0        | II            | 34.3            | B   |                 |     |                  |                    |
| Plaza Entrance to Lake Howell Road | 40          | 1,584         | Signal          | 57.6        | 55.2       | II            | 18.7            | D   | 22.9            | C   |                  |                    |
| <b>TOTAL</b>                       |             | 17,741        |                 | 457.2       | 177.6      |               |                 |     |                 |     | 26.5             | 0.11 gal/veh       |
| <b>PM PEAK HOUR</b>                |             |               |                 |             |            |               |                 |     |                 |     |                  |                    |
| SR 426 to Old Howell Branch Rd.    | 40          | 2,798         | Signal          | 65.4        | 45.0       | II            | 29.2            | B   |                 |     |                  |                    |
| Old Howell Branch Rd. to Dodd Rd.  | 40          | 1,901         | Signal          | 58.2        | 60.0       | II            | 22.3            | C   | 25.9            | C   |                  |                    |
| Dodd Rd. to Emergency Signal       | 40          | 1,267         | Signal          | 19.2        | 0.0        | II            | 45.0            | A   |                 |     |                  |                    |
| Emergency Signal to Dike Rd        | 40          | 2,376         | Signal          | 51.0        | 30.0       | II            | 31.8            | B   |                 |     |                  |                    |
| Dike Rd. to Eastbrook Blvd.        | 40          | 2,482         | Signal          | 44.4        | 22.8       | II            | 38.1            | A   | 36.4            | A   |                  |                    |
| Eastbrook Blvd. to SR 436          | 40          | 4,277         | Signal          | 204.6       | 67.2       | II            | 14.3            | E   | 14.3            | E   |                  |                    |
| SR 436 to Plaza Entrance           | 35          | 1,056         | Signal          | 19.8        | 0.0        | II            | 36.4            | A   |                 |     |                  |                    |
| Plaza Entrance to Lake Howell Road | 35          | 1,584         | Signal          | 25.8        | 0.0        | II            | 41.9            | A   | 39.5            | A   |                  |                    |
| <b>TOTAL</b>                       |             | 17,741        |                 | 488.4       | 225.0      |               |                 |     |                 |     | 24.8             | 0.11 gal/veh       |