

# Department of Engineering and Public Works

P.O. Box 21229

West Palm Beach, FL 33416-1229

(561) 684-4000

FAX: (561) 684-4050

www.pbcgov.com

#### Palm Beach County Board of County Commissioners

Robert S. Weinroth, Mayor
Gregg K. Weiss, Vice Mayor
Maria G. Marino
Dave Kerner
Maria Sachs
Melissa McKinlay

Mack Bernard

#### **County Administrator**

Verdenia C. Baker

"An Equal Opportunity Affirmative Action Employer" May 16, 2022

Rebecca J. Mulcahy, P.E. Pinder Troutman Consulting, Inc. 2005 Vista Parkway, Suite 111 West Palm Beach, FL 33411

RE: Soma SR-7

FLUA Amendment Policy 3.5-d Review

Round 2022-23-A

Dear Ms. Mulcahy:

Palm Beach County Traffic Division has reviewed the Land Use Plan Amendment Application Transportation Analysis for the proposed Future Land Use Amendment for the above-referenced project, revised on April 28, 2022, pursuant to Policy 3.5-d of the Land Use Element of the Palm Beach County Comprehensive Plan. The project is summarized as follows:

| Location:              | West side of State Road 7, approxi Road | mately 1/4 mile north of Lantana               |  |  |  |  |  |
|------------------------|---|--|--|--|--|--|--|
| PCN:                   | 00-42-43-27-05-035-0252                 |  |  |  |  |  |  |
| Acres:                 | 1.66 Acres                              |  |  |  |  |  |  |
|                        | Current FLU                             | Proposed FLU                                   |  |  |  |  |  |
| FLU:                   | Residential Low (LR-1)                  | Commercial Low (CL)/<br>Residential Low (LR-1) |  |  |  |  |  |
| Zoning:                | Agricultural Residential (AR)           | Commercial Low Office (CL-O)                   |  |  |  |  |  |
| Density/<br>Intensity: | 1 Unit per Acre                         | 0.50 FAR                                       |  |  |  |  |  |
| Maximum<br>Potential:  | Residential Single Family = 2  DUs      | Medical Office = 36,155 SF                     |  |  |  |  |  |
| Proposed<br>Potential: | None                                    | None   |  |  |  |  |  |
| Net Daily<br>Trips:    | 1,112 (maximum – current)               |  |  |  |  |  |  |
| Net PH<br>Trips:       | 91 (69/22) AM, 112 (31/81) PM (n        | naximum)                                       |  |  |  |  |  |
| Trips:                 | indicates typical FAR and maximum       |  |  |  |  |  |  |

<sup>\*</sup> Maximum indicates typical FAR and maximum trip generator. Proposed indicates the specific uses and intensities/densities anticipated in the zoning application.

Based on the review, the Traffic Division has determined that the traffic impacts of the proposed amendment **meet** Policy 3.5-d of the Future Land Use Element



Rebecca J. Mulcahy, P.E May 16, 2022 Page 2

of the Palm Beach County Comprehensive Plan at the maximum potential density shown above.

Please note the proposed amendment will have an insignificant impact on the long-range and Test 2 analyses.

Please contact me at 561-684-4030 or email me at <u>DSimeus@pbcgov.org</u> with any questions.

Sincerely,

Dominique Simeus, P.E. Professional Engineer Traffic Division

DS;cw

ec:

Quazi Bari, P.E., PTOE – Manager – Growth Management, Traffic Division
Lisa Amara – Director, Zoning Division
Bryan Davis – Principal Planner, Planning Division
Stephanie Gregory – Principal Planner, Planning Division
Khurshid Mohyuddin – Principal Planner, Planning Division
Kathleen Chang – Senior Planner, Planning Division
Jorge Perez – Senior Planner, Planning Division

File: General - TPS - Unincorporated - Traffic Study Review N:\TRAFFIC\Development Review\Comp Plan\23-A\Soma SR-7.docx

# SOMA SR 7 FUTURE LAND USE AMENDMENT TRANSPORTATION ANALYSIS

### Prepared for

TEAM ARCHITECTURE, INC.

PINDER TROUTMAN CONSULTING, INC.
Certificate of Authorization Number: 7989
2005 Vista Parkway, Suite 111
West Palm Beach, FL 33411
(561) 296-9698

#PTC22-017 March 11, 2022

#### SOMA SR 7

## FUTURE LAND USE AMENDMENT

### TRANSPORTATION ANALYSIS

#### **INTRODUCTION**

It is proposed to change the Future Land Use designation for a 1.66-acre property from Residential Low (LR-1) to Commercial Low Office (CL-O). The site is located on the west side of SR 7, approximately 1/4 mile north of Lantana Road, as shown on **Exhibit 1**. The purpose of this analysis is to determine if the proposed land use designation is consistent with the Transportation Element of the Comprehensive Plan. This study addresses a five-year traffic analysis and a long-range (Year 2045) traffic analysis.

#### **SITE DATA**

The PCN for the site is 00-42-43-27-05-035-0252. The site is currently vacant. The existing Future Land Use (FLU) designation of LR-1 is proposed to be changed to CL-O to allow medical office uses. The Comprehensive Plan assigns a maximum intensity to the FLU designation. The maximum intensity scenarios for the existing and proposed FLU are shown below:

| Existing FLU Designation       | Proposed FLU Designation |
|--------------------------------|--------------------------|
| LR-1 (Maximum 1 DU/Acre)       | CL-O (Maximum 0.5 FAR)   |
| 2 Single Family Dwelling Units | 36,155 SF Medical Office |

#### TRANSPORTATION ELEMENT

### Level of Service (LOS) Analysis

In order to assess the transportation impacts of the proposed change in land use designation, the methodology established by Policy 3.5-d of the Land Use Element of the Palm Beach County Comprehensive Plan was followed.

### **Trip Generation**

Palm Beach County and the Institute of Transportation Engineers (ITE), <u>Trip Generation</u>, *10th Edition*, were the sources of trip generation data utilized in this study. Daily and peak hour trips

generated by the existing FLU designation at the maximum intensity are shown on **Exhibit 2A**. The daily and peak hour trips generated by the proposed FLU designation at the maximum intensity are shown on **Exhibit 2B**. The comparison of existing and proposed FLU designations is shown on **Exhibit 2C**. The net daily trip generation is used for the Long-Range (Year 2045) analysis. Based on the net daily trip generation of 1,112, the radius of development influence is one mile for the Long-Range analysis. The peak hour trips are used for the Five-Year Analysis. Based on the new PM peak hour trip generation of 112 trips, the radius of development influence is two miles for the Five-Year analysis.

### **Trip Distribution and Assignment**

In order to determine the impact of the development's traffic on the surrounding roadway network, a directional distribution of project trips was developed, based on the area's land uses and roadway network. **Exhibit 3** provides the distribution for the site's net new trips.

### **Roadway Improvements**

A review was undertaken of the FDOT Transportation Improvement Program and the Palm Beach County Five Year Road Program to determine if any roadways within the study area are scheduled to be improved. There are no scheduled capacity improvements within the next five years.

#### **Five-Year Analysis**

The Five-Year Analysis examines traffic conditions at the end of the fifth year of the FDOT Five Year Transportation Improvement Program. This analysis is required for any roadway link within the radius of development influence where the project impact is greater than 3% of LOS E and outside the radius where the project impact is greater than 5% of LOS E. The highest AM and PM peak hour trips were assigned to the roadway network based on **Exhibit 3**. As shown on **Exhibits 4A and 4B**, no roadway links are significantly impacted by the proposed FLU designation. Therefore, the proposed FLU meets the Five-Year requirements.

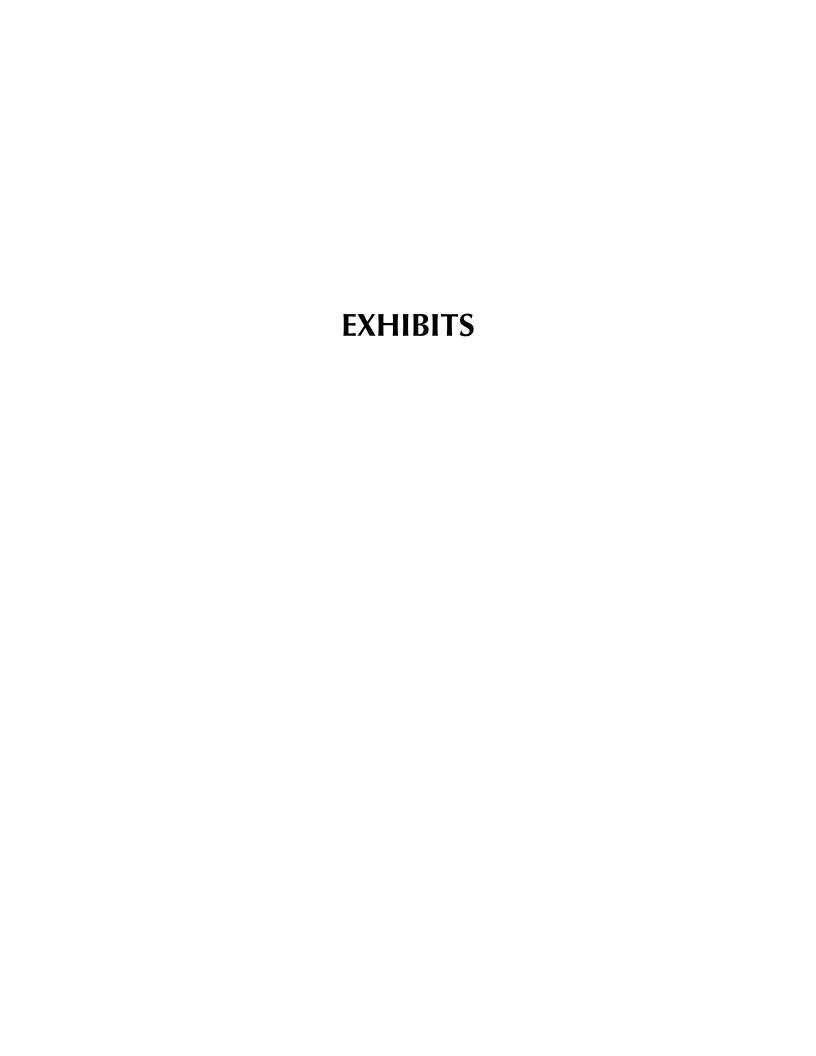
#### Long-Range (Year 2045) Analysis

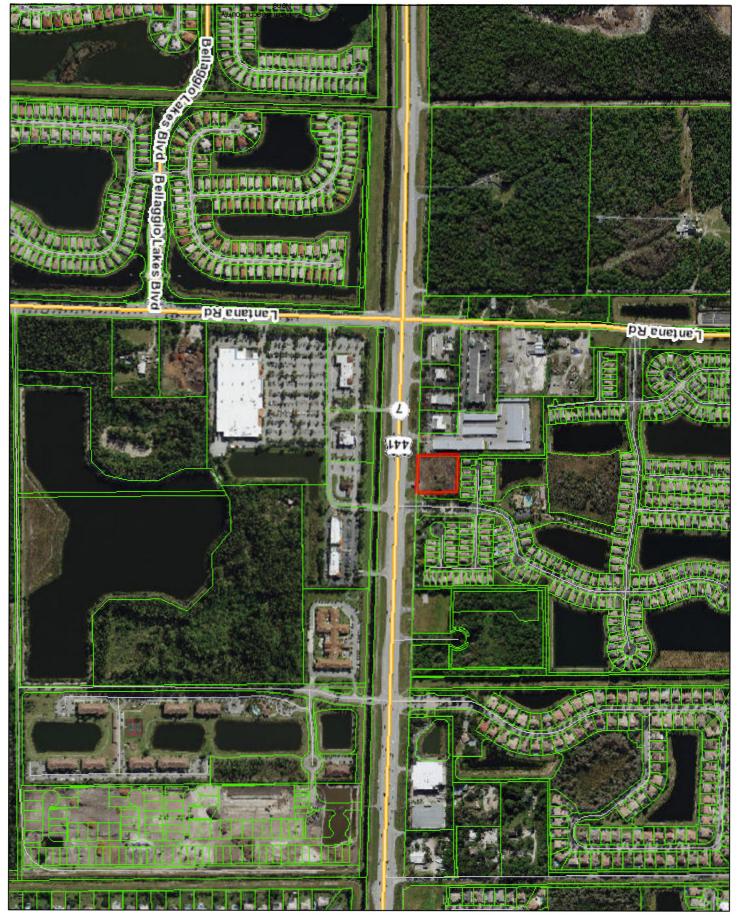
**Exhibit 5** provides the net daily trip assignment of the proposed FLU at maximum intensity for the roadway links within the radius of development influence. It also provides volume to

capacity (v/c) ratios and project impact percentages. A roadway is considered significantly impacted for the long range analysis if project impacts are greater than 1% to 3% of LOS D, depending on the v/c ratio. Year 2045 net project traffic is total external traffic generated by the proposed FLU designation at maximum intensity, less traffic generated by the existing FLU designation at maximum intensity. For the Year 2045 analysis, roadway lanes and traffic volumes were obtained from the Palm Beach Transportation Planning Agency (TPA). This information is provided in the **Appendix.** There are no significantly impacted roadway links. Therefore, this project meets the Long-Range (Year 2045) Analysis requirements for the proposed land use designation at the maximum intensity.

### **CONCLUSIONS**

This analysis shows that the proposed Future Land Use designation of CL-O for the 1.66-acre site meets the transportation standards and is consistent with the Comprehensive Plan.





Soma SR 7

March 10, 2022

my 4.0

im  $\epsilon.0$ 

1.0

**2**70.0

1:9,028

### Exhibit 2A Soma SR 7

# Trip Generation - Existing FLU (Residential Low) at Maximum Intensity

### **DAILY**

|                      | ITE  |           |                          | % Total |       | Pass-by   |    | Total     |  |           |  |           |  |       |
|----------------------|------|-----------|--------------------------|---------|-------|-----------|----|-----------|--|-----------|--|-----------|--|-------|
| Land Use             | Code | Intensity | Trip Generation Rate (1) | In      | Trips | Trips (1) |    | Trips (1) |  | Trips (1) |  | Trips (1) |  | Trips |
| Resid. Single Family | 210  | 2 DUs     | 10 / DU                  | 50%     | 20    | -         | 0% | 20        |  |           |  |           |  |       |
| TOTAL                |      |           |                          |         | 20    | -         |    | 20        |  |           |  |           |  |       |

### **AM PEAK HOUR**

|                      | ITE  |           |                          | %   | Total Trips |     |       | Total Trips Pass-by New T |           | Pass-by |     | New Trip | s |
|----------------------|------|-----------|--------------------------|-----|-------------|-----|-------|---------------------------|-----------|---------|-----|----------|---|
| Land Use             | Code | Intensity | Trip Generation Rate (1) | In  | In          | Out | Trips | Trips                     | Trips (1) |         | Out | Trips    |   |
| Resid. Single Family | 210  | 2 DUs     | 0.74 / DU                | 25% | -           | 1   | 1     | -                         | 0%        | -       | 1   | 1        |   |
| TOTAL                |      |           |                          |     | -           | 1   | 1     | -                         |           | -       | 1   | 1        |   |

### **PM PEAK HOUR**

|                      | ITE  |           |                          | %   | Total Trips |     | Total Trips Pass-by New Tr |       | Pass-by |    | New Trip | s     |
|----------------------|------|-----------|--------------------------|-----|-------------|-----|----------------------------|-------|---------|----|----------|-------|
| Land Use             | Code | Intensity | Trip Generation Rate (1) | In  | ln          | Out | Trips                      | Trips | s (1)   | ln | Out      | Trips |
| Resid. Single Family | 210  | 2 DUs     | Ln(T) = 0.96Ln(X) + 0.20 | 63% | 1           | 1   | 2                          | -     | 0%      | 1  | 1        | 2     |
| TOTAL                |      |           |                          |     | 1           | 1   | 2                          | -     |         | 1  | 1        | 2     |

<sup>(1)</sup> Source: Palm Beach County Traffic Division and ITE <u>Trip Generation</u>, 10th Edition.

### Exhibit 2B

### Soma SR 7

### Trip Generation - Proposed FLU (Commercial Low Office) at Maximum Intensity

### **DAILY**

|                | ITE  |           |                          | % Total |       | Pass      | s-by | Total     |  |       |
|----------------|------|-----------|--------------------------|---------|-------|-----------|------|-----------|--|-------|
| Land Use       | Code | Intensity | Trip Generation Rate (1) | In      | Trips | Trips (1) |      | Trips (1) |  | Trips |
| Medical Office | 720  | 36,155 SF | 34.8 / 1000 SF           | 50%     | 1,258 | 126       | 10%  | 1,132     |  |       |
| TOTAL          |      |           |                          |         | 1,258 | 126       |      | 1,132     |  |       |

### **AM PEAK HOUR**

|                | ITE  |           |                          | %   | Total Trips Pass-by |     |       | s-by  | New Trips |    |     |       |
|----------------|------|-----------|--------------------------|-----|---------------------|-----|-------|-------|-----------|----|-----|-------|
| Land Use       | Code | Intensity | Trip Generation Rate (1) | In  | ln                  | Out | Trips | Trips | s (1)     | In | Out | Trips |
| Medical Office | 720  | 36,155 SF | 2.78 / 1000 SF           | 78% | 79                  | 22  | 101   | 10    | 10%       | 71 | 20  | 91    |
| TOTAL          |      |           |                          |     | 79                  | 22  | 101   | 10    |           | 69 | 22  | 91    |

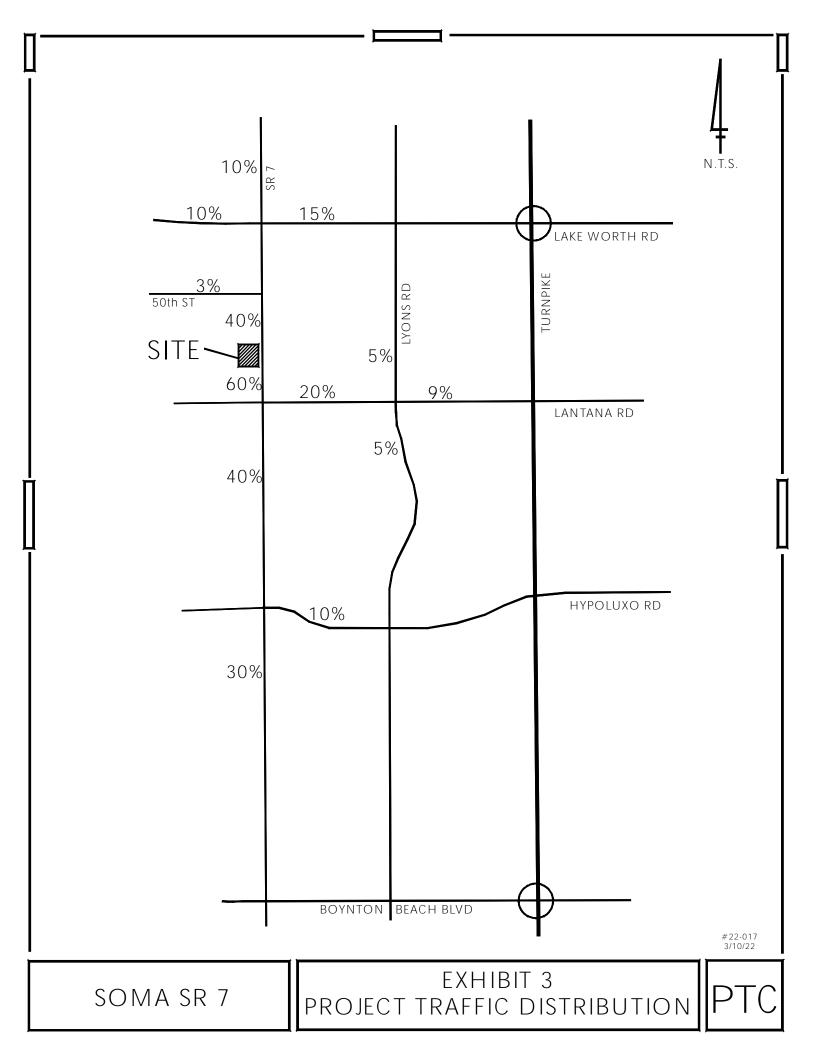
### **PM PEAK HOUR**

|                | ITE  |           |                          | %   | Total Trips |     | Total Trips Pass-by New T |           | Pass-by |    | New Trip | s     |
|----------------|------|-----------|--------------------------|-----|-------------|-----|---------------------------|-----------|---------|----|----------|-------|
| Land Use       | Code | Intensity | Trip Generation Rate (1) | In  | In          | Out | Trips                     | Trips (1) |         | In | Out      | Trips |
| Medical Office | 720  | 36,155 SF | 3.46 / 1000 SF           | 28% | 35          | 90  | 125                       | 13        | 10%     | 32 | 80       | 112   |
| TOTAL          |      |           |                          |     | 35          | 90  | 125                       | 13        |         | 31 | 81       | 112   |

<sup>(1)</sup> Source: Palm Beach County Traffic Division and ITE <u>Trip Generation</u>, 10th Edition.

Exhibit 2C Soma SR 7 Trip Generation Comparison

|                          |              | AM        | Peak Hou   | <u>ır</u>    | <u>PM</u> | Peak Hou   | <u>ır</u>    |
|--------------------------|--------------|-----------|------------|--------------|-----------|------------|--------------|
|                          | <u>Daily</u> | <u>In</u> | <u>Out</u> | <u>Total</u> | <u>In</u> | <u>Out</u> | <u>Total</u> |
| Existing FLU             | 20           | -         | 1          | 1            | 1         | 1          | 2            |
| Proposed FLU (Maximum)   | 1,132        | 69        | 22         | 91_          | 31        | 81         | 112          |
| Net New Trips (Maximum): | 1,112        | 69        | 21         | 90           | 30        | 80         | 110          |



# Exhibit 4A Soma SR 7 Project Traffic Assignment - Test 2 Maximum Intensity

### **AM Peak Hour**

|                 |                                   |        |          |     | Project | Traffic | Total   | LOS E    | Signif- |
|-----------------|-----------------------------------|--------|----------|-----|---------|---------|---------|----------|---------|
|                 |                                   | Exist. |          |     |         | Pk Hour | Project | Service  | icant   |
| Roadway         | Link                              | Lanes  | Class    | Dir | % Dist. | Trips   | Impact  | Vol. (1) | Impact? |
|                 | Isles Blvd to SR 7                | 4LD    | I        | EB  | 10%     | 7       | 0.36%   | 1960     | No      |
| Lake Worth Road |                                   |        |          | WB  | 10%     | 2       | 0.10%   | 1960     | No      |
| Lake Worth Road | SR 7 to Lyons Rd                  | 6LD    | Ш        | EB  | 15%     | 3       | 0.11%   | 2830     | No      |
|                 |                                   |        |          | WB  | 15%     | 10      | 0.35%   | 2830     | No      |
|                 | SR 7 to Lyons Rd                  | 4LD    | П        | EB  | 20%     | 4       | 0.21%   | 1870     | No      |
| Lantana Road    |                                   |        |          | WB  | 20%     | 14      | 0.75%   | 1870     | No      |
| Lamana Noau     | Lyons Rd to Hagen Ranch Rd        | 4LD    | I        | EB  | 9%      | 2       | 0.10%   | 1960     | No      |
|                 |                                   |        |          | WB  | 9%      | 6       | 0.31%   | 1960     | No      |
| Hypoluxo Road   | SR 7 to Lyons Rd                  | 4LD    | I        | EB  | 10%     | 2       | 0.10%   | 1960     | No      |
| ттурогихо коай  |                                   |        |          | WB  | 10%     | 7       | 0.36%   | 1960     | No      |
|                 | Hypoluxo Rd to Lantana Rd         | 4LD    | I        | NB  | 5%      | 3       | 0.15%   | 1960     | No      |
| Lyons Rd        |                                   |        |          | SB  | 5%      | 1       | 0.05%   | 1960     | No      |
| Lyons Ru        | Lantana Rd to Lake Worth Rd       | 4LD    | I        | NB  | 5%      | 1       | 0.05%   | 1960     | No      |
|                 |                                   |        |          | SB  | 5%      | 3       | 0.15%   | 1960     | No      |
|                 | Boynton Beach Blvd to Hypoluxo Rd | 6LD    | Uninter. | NB  | 30%     | 21      | 0.37%   | 5650     | No      |
|                 |                                   |        |          | SB  | 30%     | 7       | 0.12%   | 5650     | No      |
|                 | Hypoluxo Rd to Lantana Rd         | 6LD    | I        | NB  | 40%     | 28      | 0.95%   | 2940     | No      |
|                 |                                   |        |          | SB  | 40%     | 9       | 0.31%   | 2940     | No      |
| SR 7            | Lantana Rd to Site                | 6LD    | I        | NB  | 60%     | 41      | 1.39%   | 2940     | No      |
| JK /            |                                   |        |          | SB  | 60%     | 13      | 0.44%   | 2940     | No      |
|                 | Site to Lake Worth Rd             | 6LD    | I        | NB  | 40%     | 9       | 0.31%   | 2940     | No      |
|                 |                                   |        |          | SB  | 40%     | 28      | 0.95%   | 2940     | No      |
|                 | Lake Worth Rd to Stribling Way    | 8LD    | I        | NB  | 10%     | 2       | 0.05%   | 3940     | No      |
|                 |                                   |        |          | SB  | 10%     | 7       | 0.18%   | 3940     | No      |

<sup>(1)</sup> Source: 2009 FDOT Quality / LOS Handbook.

# Exhibit 4B Soma SR 7 Project Traffic Assignment - Test 2 Maximum Intensity

### **PM Peak Hour**

|                 |                                   |        |          |     | Project | t Traffic | Total   | LOS E    | Signif- |
|-----------------|-----------------------------------|--------|----------|-----|---------|-----------|---------|----------|---------|
|                 |                                   | Exist. |          |     |         | Pk Hour   | Project | Service  | icant   |
| Roadway         | Link                              | Lanes  | Class    | Dir | % Dist. | Trips     | Impact  | Vol. (1) | Impact? |
|                 | Isles Blvd to SR 7                | 4LD    | I        | EB  | 10%     | 3         | 0.15%   | 1960     | No      |
| Lake Worth Road |                                   |        |          | WB  | 10%     | 8         | 0.41%   | 1960     | No      |
| Lake Worth Road | SR 7 to Lyons Rd                  | 6LD    | Ш        | EB  | 15%     | 12        | 0.42%   | 2830     | No      |
|                 |                                   |        |          | WB  | 15%     | 5         | 0.18%   | 2830     | No      |
|                 | SR 7 to Lyons Rd                  | 4LD    | П        | EB  | 20%     | 16        | 0.86%   | 1870     | No      |
| Lantana Road    |                                   |        |          | WB  | 20%     | 6         | 0.32%   | 1870     | No      |
| Lantana Noau    | Lyons Rd to Hagen Ranch Rd        | 4LD    | I        | EB  | 9%      | 7         | 0.36%   | 1960     | No      |
|                 |                                   |        |          | WB  | 9%      | 3         | 0.15%   | 1960     | No      |
| Hypoluvo Road   | SR 7 to Lyons Rd                  | 4LD    | I        | EB  | 10%     | 8         | 0.41%   | 1960     | No      |
| Hypoluxo Road   |                                   |        |          | WB  | 10%     | 3         | 0.15%   | 1960     | No      |
|                 | Hypoluxo Rd to Lantana Rd         | 4LD    | I        | NB  | 5%      | 2         | 0.10%   | 1960     | No      |
| Lyons Rd        |                                   |        |          | SB  | 5%      | 4         | 0.20%   | 1960     | No      |
| Lyons Ru        | Lantana Rd to Lake Worth Rd       | 4LD    | I        | NB  | 5%      | 4         | 0.20%   | 1960     | No      |
|                 |                                   |        |          | SB  | 5%      | 2         | 0.10%   | 1960     | No      |
|                 | Boynton Beach Blvd to Hypoluxo Rd | 6LD    | Uninter. | NB  | 30%     | 9         | 0.16%   | 5650     | No      |
|                 |                                   |        |          | SB  | 30%     | 24        | 0.42%   | 5650     | No      |
|                 | Hypoluxo Rd to Lantana Rd         | 6LD    | I        | NB  | 40%     | 12        | 0.41%   | 2940     | No      |
|                 |                                   |        |          | SB  | 40%     | 32        | 1.09%   | 2940     | No      |
| SR 7            | Lantana Rd to Site                | 6LD    | I        | NB  | 60%     | 19        | 0.65%   | 2940     | No      |
| 3K /            |                                   |        |          | SB  | 60%     | 49        | 1.67%   | 2940     | No      |
|                 | Site to Lake Worth Rd             | 6LD    | I        | NB  | 40%     | 32        | 1.09%   | 2940     | No      |
|                 |                                   |        |          | SB  | 40%     | 12        | 0.41%   | 2940     | No      |
|                 | Lake Worth Rd to Stribling Way    | 8LD    | I        | NB  | 10%     | 8         | 0.20%   | 3940     | No      |
|                 |                                   |        |          | SB  | 10%     | 3         | 0.08%   | 3940     | No      |

<sup>(1)</sup> Source: 2009 FDOT Quality / LOS Handbook.

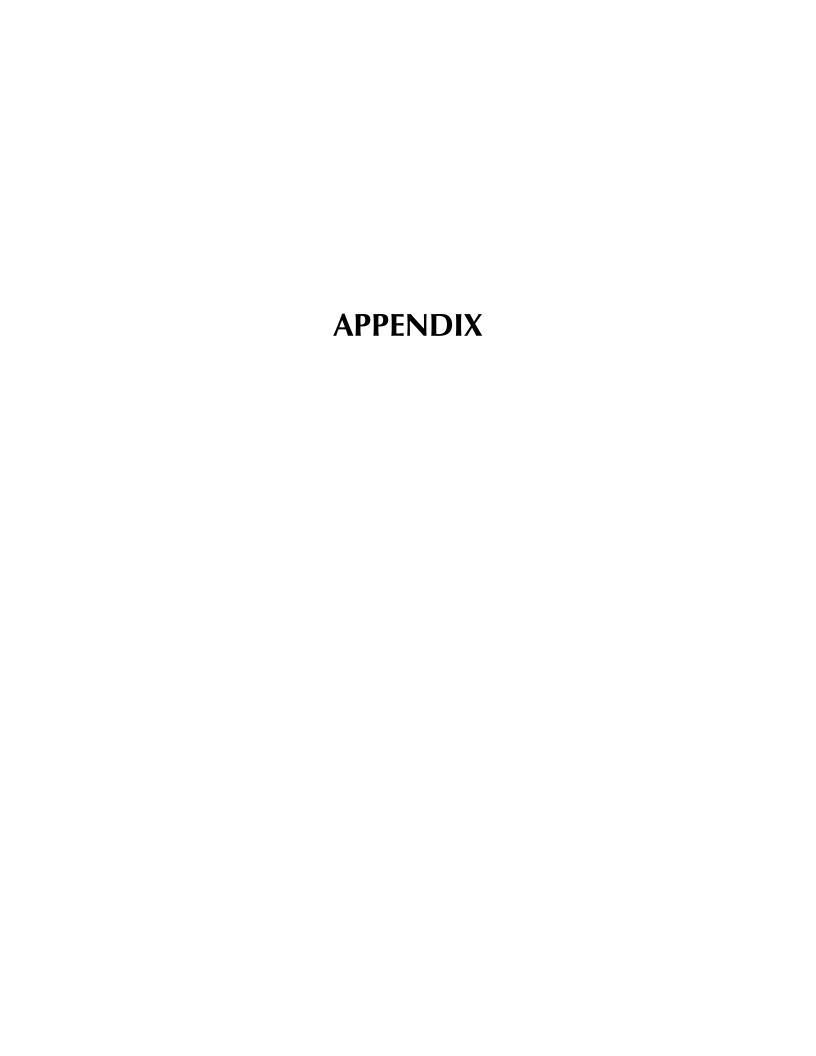
Exhibit 5 Soma SR 7 Project Traffic Assignment - 2045 Analysis

### **Proposed FLU (Maximum Intensity) - Current FLU (Maximum Intensity)**

|            |                           | 2045 Conditions |            |              | Net Proje | ect Traffic | 2045    |          | Total   | Signif- |
|------------|---------------------------|-----------------|------------|--------------|-----------|-------------|---------|----------|---------|---------|
|            |                           |                 |            | LOS D        | 1,112     | Project     | Total   | V/C      | Project | icant   |
| Roadway    | Link                      | Lanes           | Volume (1) | Capacity (2) | % Dist    | Trips       | Traffic | w/ Proj. | Impact  | Impact? |
| Lantana Rd | SR 7 to Lyons Rd          | 4LD             | 13,800     | 33,200       | 20%       | 222         | 14,022  | 0.42     | 0.67%   | No      |
|            | Hypoluxo Rd to Lantana Rd | 6LD             | 54,000     | 50,300       | 40%       | 445         | 54,445  | 1.08     | 0.88%   | No      |
| SR 7       | Lantana Rd to Site        | 6LD             | 57,200     | 50,300       | 60%       | 667         | 57,867  | 1.15     | 1.33%   | No      |
|            | Site to Lake Worth Rd     | 6LD             | 57,200     | 50,300       | 40%       | 445         | 57,645  | 1.15     | 0.88%   | No      |

(1) Source: Palm Beach TPA. See Appendix.

(2) Source: Table TE 1a, Palm Beach County Comprehensive Plan.



# SERPM 8 2045 Cost Feasible Adjusted Two-Way Traffic Volumes - Palm Beach County

| PBC<br>Station | FDOT<br>Station | Roadway         | From                 | То                   | Existing<br>Lanes | Cost<br>Feasible<br>Lanes | 2005<br>Counts | 2010<br>Count | 2015<br>Count | 2018<br>Count | 2015<br>Model | 2045<br>Model | 2045<br>Adjusted |
|----------------|-----------------|-----------------|----------------------|----------------------|-------------------|---------------------------|----------------|---------------|---------------|---------------|---------------|---------------|------------------|
|                | 935071          | LAKE AVE        | Dixie Hwy            | S. M St              | 2                 | 2                         |                |               | -             | -             | 7,932         | 8,479         | 8,500            |
| 5649           | 937072          | LAKE IDA RD     | Hagen Ranch Rd       | Jog Rd               | 2                 | 2                         | 12,238         | 7,591         | 7,536         | 8,812         | 3,015         | 3,482         | 8,000            |
| 5653           | 937074          | LAKE IDA RD     | Jog Rd               | El Clair Ranch Rd    | 2                 | 2                         | 12,383         | 10,168        | 10,969        | 11,274        | 3,474         | 4,792         | 12,300           |
| 5651           | 937073          | LAKE IDA RD     | El Clair Ranch Rd    | Military Tr          | 2                 | 2                         | 13,228         | 11,590        | 11,682        | 12,608        | 5,795         | 6,444         | 12,300           |
| 5623           | 937017          | LAKE IDA RD     | Military Tr          | Barwick Rd           | 4                 | 4                         | 20,410         | 15,701        | 19,827        | 20,420        | 10,394        | 13,568        | 23,000           |
| 5605           | 937016          | LAKE IDA RD     | Barwick Rd           | Congress Ave         | 4                 | 4                         | 29,688         | 27,179        | 28,271        | 30,891        | 13,799        | 17,154        | 31,600           |
| 5307           | 937061          | LAKE IDA RD     | Congress Ave         | Swinton Ave          | 4                 | 4                         | 19,839         | 21,306        | 21,542        | 24,685        | 13,516        | 22,317        | 30,300           |
|                | 937424          | LAKE OSBORNE DR | 12th Av S            | Lake Worth Rd        | 2                 | 2                         |                |               | -             |               | 91            | 492           | 500              |
| 3445           | 937163          | LAKE WORTH RD   | South Shore Blvd     | 120th Av             | 2                 | 2                         | 15,873         | 23,445        | 12,221        | 13,300        | 9,509         | 13,097        | 15,800           |
| 4409           | 937120          | LAKE WORTH RD   | 120th Av             | Isles Bl             | 4                 | 4                         | 20,557         | 15,106        | 14,871        | 17,500        | 10,481        | 16,195        | 20,600           |
| 4407           | 937119          | LAKE WORTH RD   | Isles Bl             | SR-7                 | 4                 | 4                         | 31,272         | 24,753        | 26,672        | 28,030        | 23,647        | 30,859        | 34,800           |
| 4401           | 930053          | LAKE WORTH RD   | SR-7                 | Lyons Rd             | 6                 | 6T                        | 36,432         | 33,787        | 38,065        | 39,252        | 29,845        | 37,416        | 45,600           |
| 4101           | 930054          | LAKE WORTH RD   | Lyons Rd             | Florida Turnpike     | 6                 | 6T                        |                |               | -             |               | 37,500        | 47,734        | 47,700           |
| 4201           | 930055          | LAKE WORTH RD   | Florida Turnpike     | Pinehurst Dr         | 6                 | 6T                        | 42,905         | 34,043        | 39,166        | 42,106        | 37,301        | 45,035        | 47,300           |
| 4645           | 937233          | LAKE WORTH RD   | Pinehurst Dr         | Jog Rd               | 6                 | 6T                        | 53,067         | 44,593        | 46,028        | 51,629        | 45,864        | 52,388        | 52,600           |
| 4609           | 937232          | LAKE WORTH RD   | Jog Rd               | Sherwood Forest Blvd | 6                 | 6T                        | 45,006         | 44,260        | 45,661        | 48,041        | 24,773        | 33,520        | 54,400           |
| 4673           | 937232          | LAKE WORTH RD   | Sherwood Forest Blvd | Haverhill Rd         | 6                 | 6T                        | 51,532         | 41,648        | 41,210        | 44,850        | 24,773        | 33,520        | 50,000           |
| 4627           | 930404          | LAKE WORTH RD   | Haverhill Rd         | Military Tr          | 6                 | 6T                        | 50,676         | 43,493        | 44,371        | 44,984        | 22,275        | 29,002        | 51,100           |
| 4611           | 930024          | LAKE WORTH RD   | Military Tr          | Kirk Rd              | 6                 | 6T                        | 47,121         | 43,790        | 42,951        | 44,802        | 26,081        | 34,974        | 51,800           |
| 4647           | 937234          | LAKE WORTH RD   | Kirk Rd              | Congress Ave         | 6                 | 6T                        | 43,331         | 37,971        | 38,415        | 40,684        | 21,652        | 26,913        | 43,700           |
| 4651           | 930025          | LAKE WORTH RD   | Congress Ave         | Boutwell Rd          | 4                 | 4T                        | 29,118         | 28,562        | 23,415        | 26,619        | 12,045        | 17,150        | 28,500           |
| 4305           | 930751          | LAKE WORTH RD   | Boutwell Rd          | Lake/Lucerne Split   | 4                 | 4T                        | 24,924         | -             | 25,497        | 25,500        | 14,494        | 19,765        | 30,800           |
| 4817           | 935069          | LAKE WORTH RD   | Dixie Hwy (SR-805)   | 'A' St               | 3                 | 3                         | 9,126          | -             | 8,385         | 8,900         | 3,936         | 5,959         | 10,400           |
| 4813           | 935068          | LAKE WORTH RD   | Dixie Hwy (SR-805)   | 'A' St               | 2                 | 2                         | 10,601         | -             | 8,078         | 8,200         | 4,936         | 6,196         | 9,300            |
| 4815           | 935076          | LAKE WORTH RD   | Federal Hwy (US-1)   | Dixie Hwy (SR-805)   | 2                 | 2                         | 10,042         | 8,559         | 8,410         | -             | 3,428         | 3,878         | 8,900            |
| 4811           | 935070          | LAKE WORTH RD   | Federal Hwy          | Dixie Hwy (SR-805)   | 2                 | 2                         | 10,669         | 8,322         | 9,526         | 9,600         | 7,859         | 8,516         | 10,300           |
| 4801           | 930118          | LAKE WORTH RD   | A1A                  | Lucerne Ave          | 4                 | 4                         | 15,674         | 12,934        | 16,111        | 12,100        | 8,069         | 8,737         | 16,800           |
| 4403           | 937291          | LANTANA RD      | SR-7                 | Lyons Rd             | 4                 | 4                         | 19,621         | 14,775        | 15,574        | 17,057        | 18,458        | 16,412        | 13,800           |
| 4207           | 937290          | LANTANA RD      | Lyons Rd             | Hagen Ranch Rd       | 4                 | 4                         | 38,436         | 24,298        | 25,977        | 28,535        | 27,248        | 44,140        | 42,100           |
| 4669           | 937293          | LANTANA RD      | Hagen Ranch Rd       | Jog Rd               | 6                 | 6                         | 38,587         | 32,050        | 32,219        | 36,116        | 35,241        | 50,031        | 45,700           |
| 4619           | 937292          | LANTANA RD      | Jog Rd               | Haverhill Rd         | 6                 | 6                         | 40,005         | 35,130        | 35,845        | 42,984        | 29,837        | 41,862        | 50,300           |
| 4605           | 930693          | LANTANA RD      | Military Tr          | Lawrence Rd          | 6                 | 6                         | 42,958         | 33,827        | 41,854        | 49,357        | 35,147        | 46,266        | 55,100           |
| 4665           | 937289          | LANTANA RD      | Lawrence Rd          | Congress Ave         | 6                 | 6                         | 47,796         | 47,863        | 47,054        | 50,923        | 56,534        | 66,732        | 57,300           |
| 4623           | 937288          | LANTANA RD      | Congress Ave         | High Ridge Rd        | 6                 | 6                         | 42,455         | 43,695        | 41,390        | 46,300        | 32,001        | 40,113        | 49,500           |
| 4209           | 930076          | LANTANA RD      | High Ridge Rd        | 1-95                 | 5                 | 6                         | 42,461         | 45,356        | 43,805        | 45,500        | 35,422        | 43,085        | 53,300           |
| 4311           | 930077          | LANTANA RD      | 1-95                 | Redding Dr           | 5                 | 6                         | 41,769         | 38,457        | 37,424        | 36,000        | 28,787        | 39,254        | 47,900           |
| 4807           | 935214          | LANTANA RD      | Redding Dr           | Federal Hwy          | 5                 | 5                         | 21,493         | -             | 19,392        | 18,253        | 12,402        | 12,848        | 19,800           |
|                | 937618          | LARRIMORE RD    | SR-15                | SR-729               | 2                 | 2                         |                |               | -             | -             | 586           | 827           | 800              |
| 5638           | 937303          | LAWRENCE RD     | Woolbright Rd        | Boynton Beach Blvd   | 3                 | 3                         | 7,854          | 7,167         | 7,651         | 8,714         | 7,479         | 10,007        | 10,200           |
| 5204           | 937302          | LAWRENCE RD     | •                    | Gateway Blvd         | 5                 | 5                         | 16,110         | 13,804        | 14,777        | 17,539        | 9,617         | 13,795        | 19,000           |

# SERPM 8 2045 Cost Feasible Adjusted Two-Way Traffic Volumes - Palm Beach County

| PBC<br>Station | FDOT<br>Station | Roadway | From                     | То                       | Existing<br>Lanes | Cost<br>Feasible<br>Lanes | 2005<br>Counts | 2010<br>Count | 2015<br>Count | 2018<br>Count | 2015<br>Model | 2045<br>Model | 2045<br>Adjusted |
|----------------|-----------------|---------|--------------------------|--------------------------|-------------------|---------------------------|----------------|---------------|---------------|---------------|---------------|---------------|------------------|
| 5402           | 930031          | SR-7    | Flavor Pict Rd           | Boynton Beach Blvd       | 4                 | 4                         | 27,483         | 22,402        | 23,191        | 26,985        | 31,409        | 52,899        | 44,700           |
| 5102           | 930716          | SR-7    | Boynton Beach Blvd       | Hypoluxo Rd              | 6                 | 6                         | 32,692         | 24,669        | 27,687        | 29,795        | 37,618        | 65,569        | 55,600           |
| 4402           | 937242          | SR-7    | Hypoluxo Rd              | Lantana Rd               | 6                 | 6                         | 31,171         | 28,880        | 31,450        | 35,927        | 39,604        | 62,147        | 54,000           |
| 4400           | 930753          | SR-7    | Lantana Rd               | Lake Worth Rd            | 6                 | 6                         | 42,465         | 37,709        | 41,210        | 44,964        | 56,024        | 72,015        | 57,200           |
| 4406           | 937243          | SR-7    | Lake Worth Rd            | Stribling Way            | 8                 | 8T                        |                | 53,939        | 65,398        | 66,899        | 66,602        | 81,026        | 79,600           |
| 4102           | 930721          | SR-7    | Stribling Way            | Forest Hill Blvd         | 8                 | 8T                        | 51,821         | 43,846        | 49,645        | 55,559        | 61,629        | 80,009        | 68,000           |
| 3452           | 937241          | SR-7    | Forest Hill Blvd         | Pioneer Rd               | 8                 | 8T                        | 55,024         | 54,731        | 58,868        | 65,204        | 56,526        | 76,840        | 80,000           |
| 3408           | 930037          | SR-7    | Pioneer Rd               | Southern Blvd            | 8                 | 8T                        | 55,628         | 52,008        | 56,643        | 63,674        | 56,796        | 78,681        | 78,500           |
| 3406           | 930514          | SR-7    | Southern Blvd            | Belvedere Rd             | 8                 | 8T                        | 59,099         | 47,669        | 51,645        | 52,881        | 48,293        | 69,506        | 74,300           |
| 3404           | 930034          | SR-7    | Belvedere Rd             | Okeechobee Blvd          | 6                 | 6T                        | 47,176         | 36,000        | 38,417        | 41,440        | 27,827        | 48,785        | 59,400           |
| 3468           | 937259          | SR-7    | Okeechobee Blvd          | 60th St                  | 2                 | 4                         |                | 13,661        | 17,803        | 20,034        | 17,983        | 39,682        | 39,300           |
|                | TPA014          | SR-7    | 60th St                  | Northlake Blvd           | 0                 | 4                         |                |               | -             | -             |               | 13,308        | 13,300           |
| 7006           | 930003          | SR-700  | Muck City Rd             | US-98 SR-700             | 2                 | 2                         | 1,966          | 591           | 1,833         | 1,500         | 3,551         | 4,281         | 2,600            |
| 7038           | 930004          | SR-700  | CR 717                   | Hatton Hwy               | 2                 | 2                         | 2,466          | -             | 4,414         | 3,100         | 7,951         | 10,756        | 7,200            |
| 7004           | 935335          | SR-700  | Hatton Hwy               | SR-80                    | 2                 | 2                         | 2,923          | -             | 4,071         | 3,100         | 7,763         | 10,630        | 6,900            |
| 1101           | 930687          | SR-710  | Martin County Line       | Indiantown Rd            | 4                 | 4                         | 7,500          | 7,411         | 8,186         | 12,168        | 7,129         | 14,707        | 16,900           |
|                | 930140          | SR-710  | Indiantown Rd            | Moroso Speedway          | 4                 | 4                         | ,              | ,             | -             | -             | 5,392         | 9,668         | 9,700            |
| 1401           | 939140          | SR-710  | Moroso Speedway          | Pratt-Whitney Rd         | 4                 | 4                         | 7,381          | 6,109         | 6,604         |               | 15,190        | 26,164        | 17,600           |
| 1411           | 930688          | SR-710  | Pratt-Whitney Rd         | Caloosa                  | 4                 | 4                         | 11,000         | -             | 13,905        | 16,687        | 19,807        | 40,401        | 34,500           |
| 2109           | 930688          | SR-710  | Caloosa                  | N County Airport         | 4                 | 4                         | 11,000         | -             | 14,160        | 18,838        | 19,807        | 40,401        | 34,800           |
| 2101           | 930688          | SR-710  | N County Airport         | PGA Blvd                 | 4                 | 4                         | 14,185         | 12,585        | 14,459        | 17,888        | 19,807        | 40,401        | 35,100           |
| 2403           | 930717          | SR-710  | PGA Blvd                 | Northlake Blvd           | 4                 | 4                         | 12,034         | 10,561        | 15,237        | 16,143        | 16,808        | 28,176        | 25,500           |
| 2419           | 930689          | SR-710  | Northlake Blvd           | 1 mi S of Northlake Blvd | 4                 | 6                         | 24,000         | 22,948        | 21,969        | 27,414        | 16,808        | 28,256        | 33,400           |
|                | 937400          | SR-710  | 1 mi S of Northlake Blvd | Jog Rd                   | 4                 | 6                         |                | ·             | -             | -             | 31,513        | 53,591        | 53,600           |
| 2209           | 937265          | SR-710  | Jog Rd                   | Blue Heron Blvd          | 4                 | 6                         | 25,248         | 25,414        | 25,909        | 34,690        | 34,779        | 52,420        | 43,600           |
| 2313           | 930747          | SR-710  | Blue Heron Blvd          | Congress Ave             | 4                 | 4                         | 19,137         | 14,536        | 15,716        | 14,100        | 11,098        | 18,473        | 23,100           |
| 2841           | 937266          | SR-710  | Congress Ave             | Australian Ave           | 4                 | 4                         | 19,555         | 17,322        | 17,857        | 16,900        | 16,401        | 27,179        | 29,600           |
| 2813           |                 | SR-710  | Australian Ave           | Old Dixie Hwy            | 4                 | 4                         | 7,557          | 9,012         | 7,848         | 8,500         | 8,391         | 19,311        | 18,100           |
|                | 930657          | SR-715  | SR-80                    | Glades Central HS        | 2                 | 2                         | ,              | ,             | -             | -             | 6,260         | 7,598         | 7,600            |
| 7026           | 930670          | SR-715  | Glades Central HS        | Ave E                    | 2                 | 2                         | 14,046         | 25,160        | 13,235        | 10,800        | 7,746         | 8,893         | 14,400           |
| 7028           | 930078          | SR-715  | Ave E                    | W Canal St               | 2                 | 2                         | 10,318         | 10,035        | 10,712        | 11,100        | 5,843         | 7,371         | 12,200           |
| 7042           | 930257          | SR-715  | W Canal St               | Hooker Hwy               | 2                 | 2                         | 11,178         | 6,865         | 6,296         | 6,346         | 5,925         | 8,164         | 8,700            |
| 7014           | 930506          | SR-715  | Hooker Hwy               | Wilder Rd                | 2                 | 2                         | 7,159          | 3,927         | 3,535         | 3,300         | 3,567         | 4,782         | 4,700            |
|                | 930777          | SR-715  | Hooker Hwy               | N/A                      | 2                 | 2                         | 1,101          | -,            | -             | -             | 3,961         | 5,593         | 5,600            |
| 7019           | 930085          | SR-717  | SR-715                   | Main St                  | 4                 | 4                         | 4,224          | 4,830         | 3,771         | 4,200         | 1,967         | 2,453         | 4,300            |
| 7021           | 935180          | SR-717  | Main St                  | MLK BI                   | 2                 | 2                         | 2,862          | 2,610         | 2,462         | 2,400         | 543           | 647           | 2,600            |
| 7010           | 930698          | SR-729  | E Main St SR-15, US-441  | Muck City Rd CR-717      | 2                 | 2                         | 3,798          | 3,577         | 5,708         | 4,400         | 3,912         | 4,947         | 6,700            |
| 7029           | 930142          | SR-80   | US 27                    | SR-715                   | 4                 | 4                         | 26,355         | 19,792        | 19,226        | 18,300        | 16,621        | 14,498        | 16,800           |
| 7025           | 930445          | SR-80   | SR-715                   | CR 827a                  | 4                 | 4                         | 17,275         | 15,276        | 16,602        | 15,000        | 12,427        | 9,732         | 13,900           |
| 7036           | 930359          |         | CR 827a                  | Ave G                    | 4                 | 4                         | 21,417         | 19,507        | 17,362        | 22,000        | 19,691        | 19,712        | 17,400           |