



Updated AGENDA CMC

Congestion Management Committee

ZOOM VIRTUAL MEETING

Meeting ID: 99104045839

Password: 486888

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**May 20, 2020
2:00 p.m.**

- 1. Call to Order**
- 2. Roll Call**
- 3. Approval of Agenda**
- 4. Approval of January 15, 2020 Meeting Minutes**
- 5. Open to Public for Comment on Items Not on the Agenda**
- 6. Agency Updates**
 - A. FDOT
 - B. MPO Director
 - C. Other
- 7. Committee Action**
 - A. Transportation System Performance Report & Action Plan Update
- 8. Reports and Presentations (May Require Committee Action)**
 - A. Park and Ride Study Introduction
- 9. Member Comments**
- 10. Distribution Items (No presentation)**
- 11. Next Meeting Date:**

Next Meeting Date:
July 15, 2020 at 2 p.m.
- 12. Adjournment**

PLEASE NOTE:

This meeting of the Congestion Management Committee (CMC) of the Collier Metropolitan Planning Organization (MPO) is open to the public and citizen input is encouraged. Any person wishing to speak on any scheduled item may do so upon recognition of the Chairperson. Any person desiring to have an item placed on the agenda shall make a request in writing with a description and summary of the item, to the MPO Director or CMC Committee Chair 14 days prior to the date of the next scheduled meeting of the CMC. Any person who decides to appeal a decision of this Committee will need a record of the proceedings pertaining thereto, and therefore may need to ensure that a verbatim record of the proceeding is made, which record includes the testimony and evidence upon which the appeal is to be based. In accordance with the Americans with Disabilities Act, any person requiring special accommodations to participate in this meeting should contact the Collier Metropolitan Planning Organization 72 hours prior to the meeting by calling (239) 252-5884. The MPO's planning process is conducted in accordance with Title VI of the Civil Rights Act of 1964 and Related Statutes. Any person or beneficiary who believes that within the MPO's planning process they have been discriminated against because of race, color, religion, sex, age, national origin, disability, or familial status may file a complaint with the Collier MPO by calling MPO Executive Director, Anne McLaughlin at (239) 252-5884 or by writing to Ms. McLaughlin at 2885 South Horseshoe Dr., Naples, FL 34104.

**CONGESTION MANAGEMENT COMMITTEE OF THE
COLLIER METROPOLITAN PLANNING ORGANIZATION
MAIN CONFERENCE ROOM 2885 SOUTH HORSESHOE DRIVE NAPLES, FL 34104**

**January 15, 2020 Meeting Minutes
2:00 P.M.**

1. Call to Order

Mr. Khawaja called the meeting to order at 2:07 p.m.

2. Roll Call

Ms. Otero called roll and a quorum was not present.

CMC MEMBERS PRESENT

Tony Khawaja, Collier Traffic Ops, Chairman
Karen Homiak, Citizen Advisory Committee (CAC) Representative
Alison Bickett, City of Naples
Tim Pinter, City of Marco Island, Vice-chairman
Dr. Mort Friedman, Bicycle/Pedestrian Advisory Committee (BPAC) Representative
Don Scott, Lee MPO
Omar DeLeon, Public Transit and Neighborhood Enhancement (PTNE)
Lorraine Lantz, Collier County Transportation Planning

CMC MEMBERS ABSENT

Dan Summers, Collier County Emergency Management
John Kasten, Collier School District
David Rivera, City of Naples

MPO STAFF

Brandy Otero, MPO Principal Planner
Karen Intriago, Administrative Assistant

OTHERS PRESENT

Victoria Peters, Florida Department of Transportation (FDOT)
Pierre Beauvoir, Collier Traffic Ops (alternate for Tony Khawaja)
Wally Blain, Tindale Oliver
Zachary Karto, Public Transit and Neighborhood Enhancement (PTNE)

3. Approval of Agenda

Action on these items was taken immediately after a quorum was attained at 2:15 pm.

Mr. DeLeon moved to approve the Agenda. Second by Mr. Pinter. Carried unanimously.

4. Approval of the September 18th Meeting Minutes

Mr. Pinter noted that Alison Bickett is mentioned as a representative to herself. Ms. Otero stated that it would be corrected.

Mr. Pinter moved to approve the September 18th Meeting Minutes as amended. Second by Ms. Homiak. Carried unanimously.

5. Open to the Public for Comment on Items not on the Agenda

None.

6. Agency Reports

(Allison Bickett arrived at the meeting at 2:15 and a quorum was attained)

A. FDOT

Ms. Peters FHWA will be hosting a Regional ITS Architecture workshop on February 24th from 8:00 a.m. – 4:00 p.m. at the Manatee Operation Center.

B. MPO Director

Ms. Otero noted that the MPO Director will be back on the 21st of January with half days following her surgery.

C. Other Agencies

Mr. DeLeon PTNE has kicked off three studies; Park & Ride, Major Update to the 10-year Transit Development Plan, Comprehensive Operational Analysis. PTNE is also working on constructing 4 bus stops on Fleischmann.

Ms. Lantz Collier County submitted a Safe Walk to School Grant for Golden Terrance Elementary South.

Mr. Beauvoir Collier Traffic Ops is currently working on a LAP project to update Collier's network and be able to share video data with the City of Naples and FDOT District 1. This item will be taken to the Board of County Commissioner on January 28th. FDOT has approved for the County to use a national contract to purchase equipment and professional services.

Mr. Khawaja noted that FDOT changed the school zone speed limit signs to active flashers and stated that they would provide the County with the flashers but stated that it's been a year and the County has not heard from FDOT regarding the flashers. **Ms. Peters** would investigate this mater.

Mr. Scott noted that each county should have discussion over being able to purchase equipment off a pre-approved contract to avoid prolonging the process. **Ms. Peters** stated that she would reach out to the District and FHWA to come up with a solution.

7. Committee Action

A. Election of Chair and Vice- Chair

Ms. Homiak nominated Mr. Khawaja as Chair. Second by Dr. Friedman. Carried unanimously.

Ms. Homiak nominated Mr. Pinter as Vice- Chair. Second by Dr. Friedman. Carried unanimously.

B. Endorse TSP Report Objectives and CMP Network Methodology

Mr. Blain introduced the PowerPoint "*Transportation System Performance Report*" for consideration. Highlights of the presentation included discussing the proposed objectives identified in the report. The presentation also included a review of the 2017 CMP measures and proposed congestion measures. Mr. Blain discussed the development of the draft CMP network, including the existing + committed projects, and the congestion methodology. He outlined the steps and sources used to develop the network and the assumptions applied in defining the congested conditions.

Mr. Khawaja is comfortable with the goals and objectives but that he would like to see each agency in their own spreadsheet in order to allow for separate comparison of each agency. Ms. Bickett agreed and stated that the City of Naples is currently reviewing their standard level of service.

Mr. Blain committed to work on the presentation of the spreadsheet.

Mr. Pinter Marco Island is not equipped with a vehicle counter so the numbers reflected on the Congestion Management Process Network spreadsheet may not be accurate for the streets internal to Marco Island, including Heathwood and Bald Eagle. He stated he was unaware of FDOT count stations on Marco Island. Mr. Blain will confirm the data source and provide the information to Mr. Pinter.

Mr. Pinter moved to endorse TSP Report Objectives and CMP Network Methodology. Second by Ms. Lantz. Carried unanimously.

8. Reports and Presentation (May Require Committee Action)

None.

9. Member Comments

Dr. Friedman question what project is currently being conducted on Livingston Rd. **Ms. Lantz** FP&L has hired a sub-contractor to clear everything in their right-of-way from Radio Rd. to the Lee County line.

10. Distribution Items (No presentation)

A. CMP Newsletter

B. CMP Survey

Committee members requested the survey to be sent out to each agency to allow the publication of it on different platforms.

11. Next Meeting Date

March 18, 2020 at 2 p.m.

12. Adjournment

With no further comments or items to attend to, Mr. Khawaja adjourned the meeting at 3:15 p.m.

EXECUTIVE SUMMARY
Reports and Presentations
Item 7A

Transportation System Performance Report Update

OBJECTIVE: For the committee to receive an update on the Baseline Conditions Report and provide input on identifying congestion reduction strategies for the Action Plan.

CONSIDERATIONS: The Congestion Management Process 2017 Update (2017 CMP Update) calls for the preparation of a Biennial Transportation System Performance (TSP) Report. Tindale Oliver will provide an update to the Congestion Management Committee for the TSP Report.

At the CMC's January meeting, the initial results of the congestion analysis were presented as one factor affecting roadway congestion. Additional factors affecting congestion will be reviewed with the committee as part of the Baseline Conditions Report (**Attachment 1**). These include the frequency and rate of motor vehicle crashes, congestion related to school traffic, recently collected data related to real-time traffic speeds from February 5, 2020, and public comments from the online survey. Collectively these data sources have been used to identify congested areas for analysis and implementation through the Congestion Management Process.

As a data driven approach, the CMP relies on the selection and prioritization of strategies to address the cause of congestion. **Attachment 2** is the list of projects that were identified in the 2017 CMP and the related strategy. One of the gaps identified through the TSP Update is the lack of screening for congested locations prior to the identification and prioritization of strategies. For the TSP update, the suggested approach has been to identify tiered locations for congestion based on the underlying factors as included in the Baseline Conditions Report. The Action Plan will expand the list of potential strategies is to identify the congested locations first and then select the appropriate strategy.

Two examples for expanding the strategy matrix are shown in **Attachment 3**. These examples reflect the review of strategies for addressing school related and crash related congestion issues. It's recommended that this approach be applied to the remaining congestion locations using the strategies from the 2017 CMP. Additional strategies to be included in the Action Plan address the multimodal strategies for considering transit service and expanding the walk/bike network. Once effective strategies have been identified for the congested locations, they can be prioritized based on the existing evaluation criteria (**Attachment 4**).

Response to Public outreach was strong with more than 2,700 surveys completed. The survey was available to the public from February 15th to March 15th. A complete summary of the survey results was previously sent to committee members and is available on the MPO website (https://www.colliermopo.org/wp-content/uploads/Congestion-in-Collier-County-Survey-Summary-Report_Draft-4-15-20-reduced-size.pdf). The planned public meeting for the TSP Update is being rescheduled to accommodate the current declared state of emergency. Further information will be provided once a date, time and format have been determined.

STAFF RECOMMENDATION: For the Committee to provide comments on the Baseline Conditions Report and recommendations for identifying strategies in the Action Plan.

Prepared By: Brandy Otero, Collier MPO Principal Planner

Attachment 1: Draft Baseline Conditions Report

Attachment 2: 2017 CMP Strategies

Attachment 3: Crash and School Congestion Strategies

Attachment 4: Existing CMP Project Evaluation Criteria



**Transportation System Performance Report
& Action Plan**

Baseline Condition Report

Draft

Prepared by

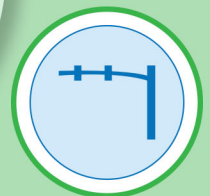


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1.0 Introduction

The Collier Metropolitan Planning Organization (MPO) is federally mandated to implement a Congestion Management Process (CMP) as part of its routine planning efforts.

The Congestion Management Process (CMP) is a detailed 8-step process, illustrated in Figure 1-1, that an urban area follows to improve the performance of its transportation system by reducing the negative impacts of traffic congestion. A CMP is developed to improve traffic flow and safety conditions. It seeks to accomplish this by using an objectives-driven, performance-based approach and provides accurate, up-to-date information on transportation system performance and assesses alternative strategies for congestion management that meet state and local needs.¹



Figure 1-1: Congestion Management Process 8-Step Framework

1.1 Causes of Congestion

The process of congestion management begins by understanding the causes of the congestion. Congestion results from the interaction between many different sources but can be broadly classified into two categories:

- **Recurring congestion** – when the number of vehicles attempting to use a roadway exceeds the capacity of that roadway during peak travel periods (e.g. commute hours). This type of congestion is predictable because travel routes follow a specific pattern with regards to time of day and route selection.
- **Non-recurring congestion** – unexpected or non-regular disruptions to the normal flow of traffic on a roadway (e.g. traffic incidents, weather, road construction and maintenance, special events). This type of congestion is more difficult to measure and predict.

Figure 1-2 shows the results of a national study conducted by FHWA on the sources of congestion and the type/category of congestion. The figure shows that while bottlenecks account the largest source disruption, non-recurring congestion events (e.g. special events, work zones, weather, incidents) account for over half of the causes of congestion. This national data are widely used in CMP updates due to the lack of comprehensive local studies on the causes of congestion. The data suggest that local causes are likely to be similar, with bottlenecks and traffic incidents typically being the top two causes of congestion.

¹ Federal Highway Administration (FHWA), “Congestion Management Process: A Guidebook”, 2011.



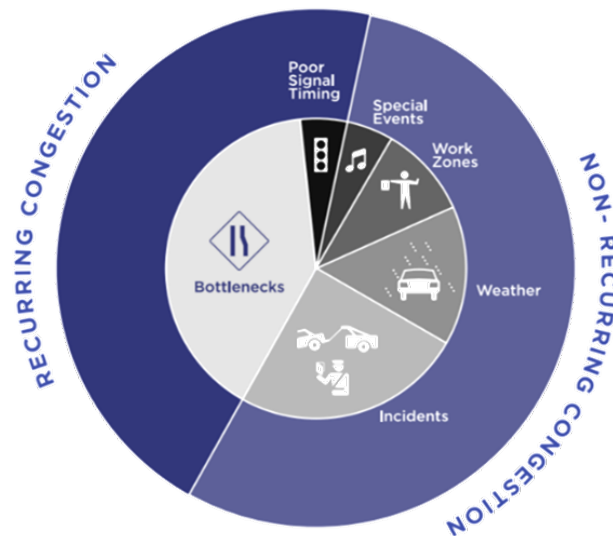


Figure 1-2: Causes of Congestion

Source: FHWA, "Incorporating Travel Time Reliability into the Congestion Management Process: A Primer," February 2015.

1.2 Purpose of This Report

This report identifies the transportation network being analyzed for the CMP and provides a baseline understanding of the regional congestion issues and travel behavior by covering steps two through five of the Congestion Management Process. Data from this report will be used to determine appropriate congestion management strategies for the MPO's CMP network and establish a baseline for future comparison and system monitoring. Consistent with the nationally defined causes of congestion, the analysis and system reporting of congestion measures seeks to pinpoint locations where congestion occurs, sources for the cause of congestion. The identification of potential strategies used to address these congestion issues are presented in the Action Plan as a complement to this report.

2.0 CMP Network Identification

Figure 2-1 to Figure 2-3 illustrate the geographic area and transportation infrastructure network for the Collier MPO CMP. The geographic area of application for this CMP consists of Collier County in its entirety. The MPO's CMP roadway network, as shown in Figure 2-1, includes all existing functionally classified roadways and roads with construction funded in the next five years, known as the existing-plus-committed (E+C) network. Additionally, the CMP network includes all bicycle, sidewalk, and multiuse trail facilities along the identified roadway network developed in the Bicycle/Pedestrian Master Plan (Figure 2-2) and the existing transit routes operated by Collier Area Transit (Figure 2-3). The CMP network identifies the transportation system that is evaluated and monitored and where congestion management policies and strategies are applied. The following sections of this report provide an analysis and review of this network.



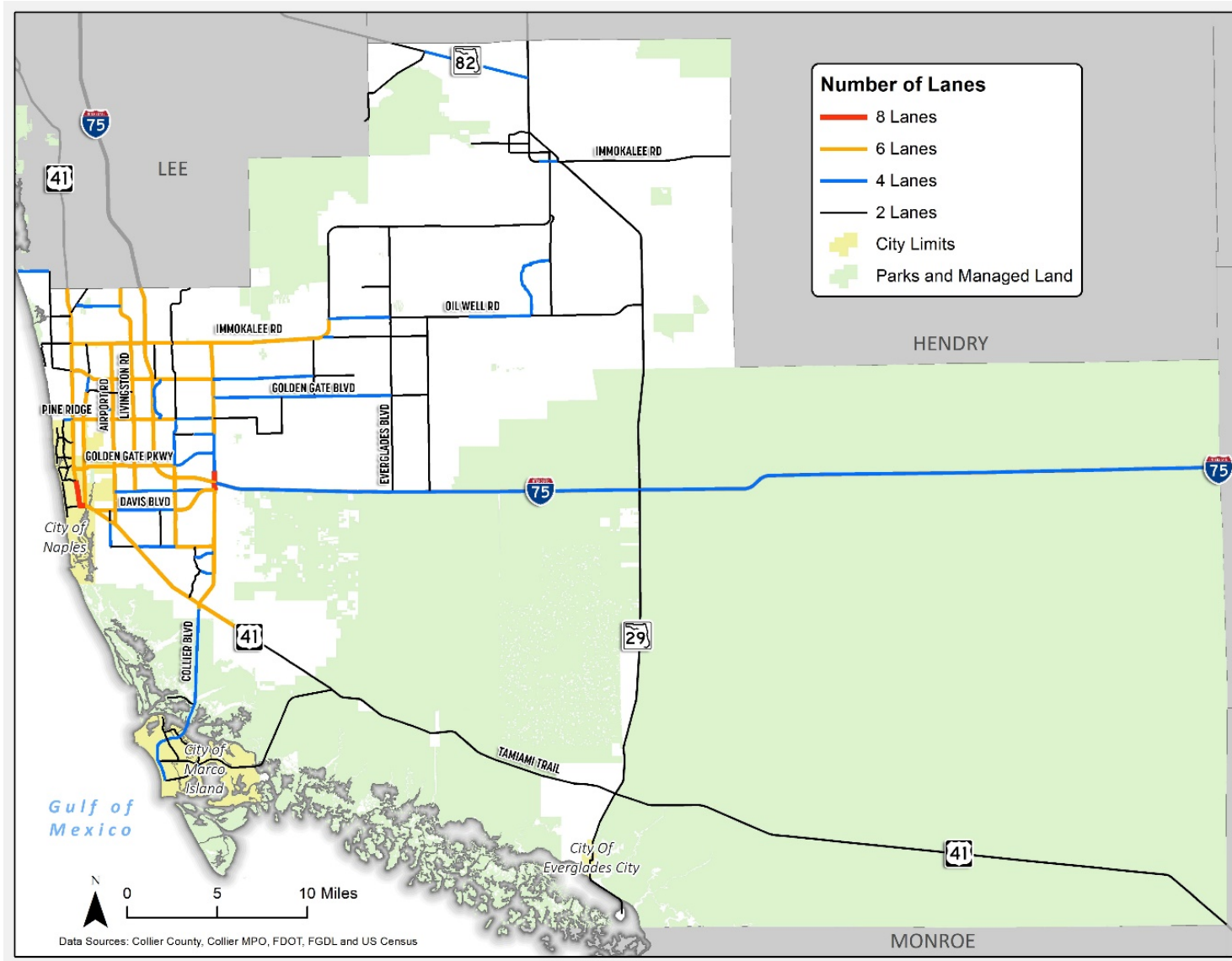


Figure 2-1: Collier MPO's CMP Network 2023 Planned Number of Lanes



Collier MPO Transportation System Performance Report & Action Plan

Baseline Conditions Report

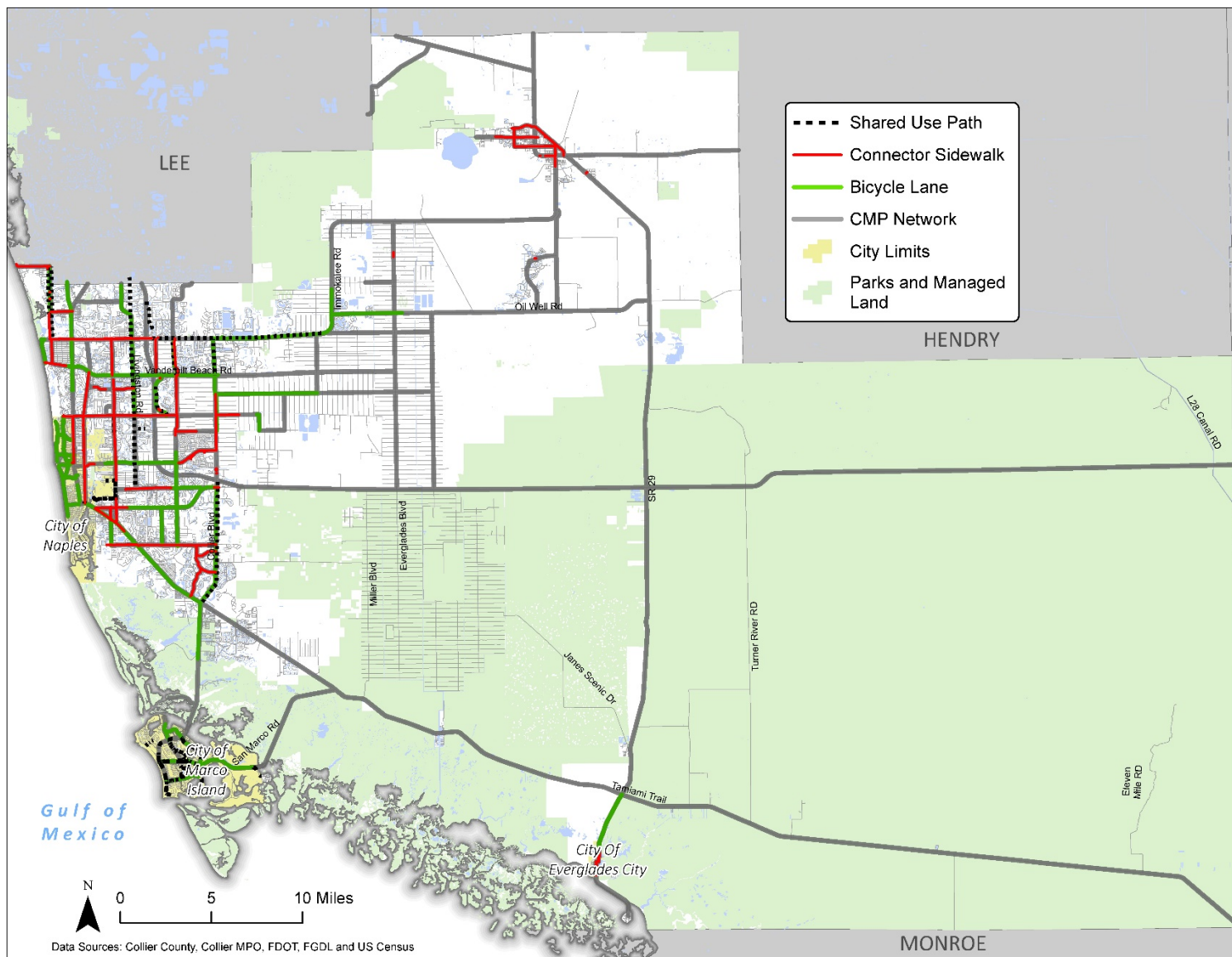


Figure 2-2: Bicycle and Pedestrian Facilities Along the CMP Network



Collier MPO Transportation System Performance Report & Action Plan

Baseline Conditions Report

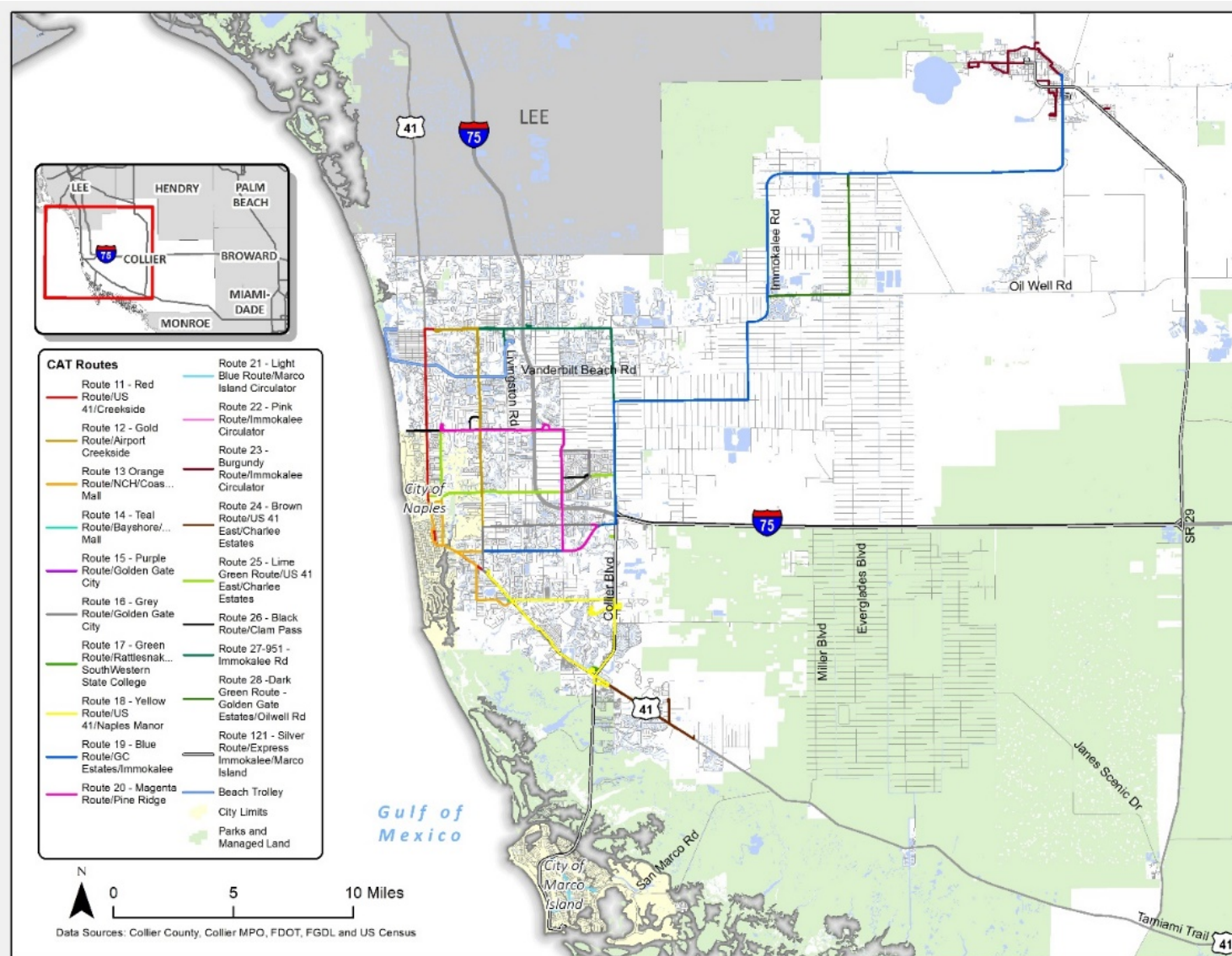


Figure 2-3: Transit Routes Operated by Collier Area Transit



3.0 Developing Performance Measures

Performance measures are used as tools to measure and monitor the effectiveness of the transportation system in the CMP. They assist in identifying, tracking and monitoring congestion. However, these measures are dependent upon the transportation network and the availability of data. They are typically used to measure the extent and severity of congestion and for the evaluation of the effectiveness of the implemented strategies over time.

As a part of the recommended enhancements to the Collier MPO CMP, new objectives have been proposed. As a result, the following performance measures were selected to track system performance over time, measure progress towards meeting these congestion management objectives, and evaluate the effectiveness of congestion management strategies. The measures are organized into a series of categories based on the multi-modal system and transportation users. These CMP performance measures are listed below and described in Table 3-1 which aligns the measures to their respective congestion management objectives.

The MPO's Congestion Management Committee established initial measures during previous updates of the CMP and expanded the list to include proposed measures based on the Transportation System Performance (TSP) Report.

3.1 Multimodal Performance Measures

Travel Demand:

- Percent of Roadway Miles by Volume to Capacity (V/C) Ratio
- Percent of Vehicle Miles Traveled by Volume to Capacity (V/C) Ratio
- Number of signalized intersections connected to ATMS

Transit Travel:

- Average bus route service frequency and number of routes
- Passenger Trips (Annual Ridership)
- Passenger Trips per Revenue Hour
- Transit on-time performance

Pedestrian/ Bicycle Facilities:

- Centerline miles of bicycle lanes
- Linear miles of connector sidewalks on arterial roadways
- Linear miles of Shared Use Paths adjacent to roadways

Goods Movement:

- Vehicle Miles Traveled (VMT) on designated truck routes with V/C greater than 1.0
- Number of Crashes Involving Heavy Vehicles / Trucks

Safety:

- Total Crashes
- Motor vehicle severe injury crashes
- Motor vehicle fatal crashes
- Pedestrian and bicycle severe injury and fatal crashes

Transportation Demand Management (TDM):

- Number of people registered in the FDOT Commute Connector database that have an origin in Collier County.

Accessibility:

- Share of regional jobs within ¼ mile of transit
- Share of regional households within ¼ mile of transit



Incident Duration

- Mean time for responders to arrive on-scene after notification
- Mean incident clearance time
- Road Ranger stops

Customer Service

- Report on nature of comments/responses and customer satisfaction.

Table 3-1: Congestion Management Process Goal & Objectives

Goal	Improve Collier County's transportation system performance and reliability through mitigating congestion and improving
Objective 1	<i>Promote transportation investments that support the Long Range Transportation Plan's priorities, goals and objectives.</i>
Objective 2	<i>Integrate the Congestion Management Process and its proposed improvements into the Long Range Transportation Plan, the Transit Development Plan (TDP), the Bicycle and Pedestrian Master Plan, and support the integration of transportation and land use.</i>
Objective 3	<i>Develop, maintain, expand and close gaps in pedestrian, bicycle and shared use path facility network for efficient and safe movement of people. Connect these pedestrian and bicycle facilities to existing and future transit stops.</i>
Objective 4	<i>Reduce vehicle miles traveled (VMT) by encouraging alternative modes of transportation, supporting sustainable</i>
Objective 5	<i>Optimize movement of goods.</i>
Objective 6	<i>Improve the safety of the transportation facilities.</i>



Baseline Conditions Report

Table 3-2 provides a crosswalk illustrating the alignment between the multimodal performance measures and the objectives that guide the CMP as noted above. Each performance measure was chosen to assess system performance and identify problem areas in order to achieve the desired outcome stated by the goal and objectives.

Table 3-2: Performance Measure & Objective Alignment

Category	Objectives	1	2	3	4	5	6
Travel Demand	Percent of Roadway Miles by Volume to Capacity (V/C) Ratio	✓	✓			✓	
	Percent of Vehicle Miles Traveled by Volume to Capacity (V/C) Ratio	✓	✓			✓	
	Number of signalized intersections connected to ATMS	✓	✓			✓	
Transit Travel	Average bus route service frequency and number of routes	✓	✓		✓		
	Passenger Trips (Annual Ridership)	✓	✓		✓		
	Passenger trips per revenue hour	✓	✓		✓		
	Transit On-Time Performance	✓	✓		✓		
Pedestrian/ Bicycle Facilities	Centerline miles of bicycle lanes	✓		✓	✓		
	Linear miles of connector sidewalks on arterial roadways	✓		✓	✓		
	Linear miles of Shared Use Paths adjacent to roadways	✓	✓	✓	✓		
Goods Movement	Vehicle Miles Traveled (VMT) on designated truck routes with V/C greater than 1.0	✓	✓			✓	
	Number of Crashes Involving Heavy Vehicles / Trucks	✓	✓			✓	✓
Safety	Total Crashes	✓		✓			✓
	Motor vehicle severe injury crashes	✓		✓			✓
	Motor vehicle fatal crashes	✓		✓			✓
	Pedestrian and bicycle severe injury and fatal crashes	✓		✓			✓
TDM	Number of people registered in the FDOT Commute Connector database that have an origin in Collier County.	✓	✓		✓		
		✓	✓		✓		
Accessibility	Share of regional jobs within ¼ mile of transit	✓	✓		✓		
	Share of regional households within ¼ mile of transit	✓	✓		✓		
Incident Duration	Mean time for responders to arrive on-scene after notification	✓					✓
	Mean incident clearance time	✓					✓
	Road Ranger stops	✓					✓
Customer Service	Report on nature of comments/responses and customer satisfaction.	✓	✓				



Performance Measure Best Practices (For Future Consideration with Investment in Technology)

As part of the recommended actions of the TSP, best practices performance measures are reviewed. The following measures listed in **Table 3-3** are proposed as future system performance reporting measures subject to the MPO's ability to collect and analyze travel reliability data.

Table 3-3: Travel Time Reliability Performance Measure & Objective Alignment

Category	Objectives	1	2	3	4	5	6
Incident Duration	Travel speed (miles per hour)	✓	✓			✓	
	Average delay time (the difference between travel time and acceptable or free-flow travel time)	✓	✓			✓	
	Travel time index (ratio of peak-period to non-peak-period travel time)	✓	✓			✓	
	Average regional commute time (by mode)	✓	✓			✓	



4.0 System Performance

Federal Highway Administration (FHWA) guidelines call for CMPs to establish a coordinated program to collect data and monitor the transportation system performance to “define the extent and duration of congestion, to contribute in determining the causes of congestion, and evaluate the efficiency and effectiveness of implemented actions”². Step 4 of the process helps determine how the current transportation system is performing. This section reports the transportation system conditions based on the available data for the multimodal transportation system as a whole. The performance measures established for the CMP are used to measure system-level performance. The following charts and tables summarize the transportation system conditions under existing and estimated conditions for the existing plus committed horizon year of 2023 where data are available and have been organized by the performance measure categories defined in Section 3.0

Travel Demand

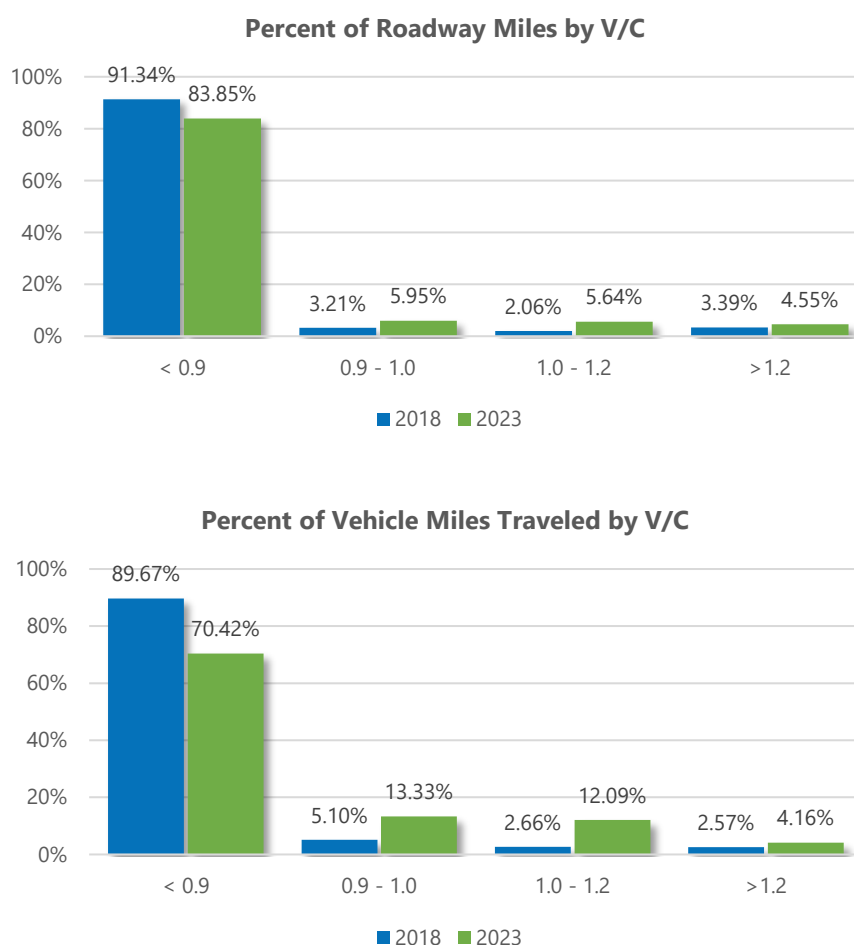


Figure 4-1: Comparison Between 2018 and 2023 Percent of Roadway Miles by V/C and Vehicle Miles Traveled by V/C

² 23 Code of Federal Regulations. Section 450.320 (c) 3



Baseline Conditions Report

Measure	Signalized Intersections
Number of signalized intersections connected to ATMS	189

Transit Travel

Measure	2019
Average bus route service frequency and Number of routes	87 minutes 19 Bus Routes
Passenger Trips (Annual Ridership)	805,491
Passenger Trips per Revenue Hour	10.9
Transit on-time performance	84.79%

Pedestrian/ Bicycle Facilities

Measure	Result
Centerline miles of bicycle lanes	133
Centerline miles of connector sidewalks on arterial roadways	83
Linear miles of Shared Use Paths adjacent to roadways	4

Goods Movement

Measure	2018	2023
Vehicle Miles Traveled (VMT) on designated truck routes with V/C greater than 1.0	202,752	1,222,661

Measure	5-Year Average Annual (2014-2018)
Number of Crashes Involving Heavy Vehicles/ Trucks	289



Baseline Conditions Report

Safety

Measure	5-Year Average Annual (2014-2018)
Total Crashes	6,701
Motor vehicle severe injury crashes	134
Motor vehicle fatal crashes	27
Pedestrian and bicycle severe injury and fatal	28

**Annual average crashes were calculated from crashes occurring between 2014-2018 within 75ft of the CMP network.*

Transportation Demand Management

Measure	Result
Number of people registered in the FDOT Commute Connector database that have an origin in Collier County	1,010

**The number of people registered in the database shows the interest in the program however, it does not reflect the current rate at which people are choosing to carpool/vanpool.*

Accessibility

Measure	Result
Share of regional jobs within ¼ mile of transit	29.45%
Share of regional households within ¼ mile of transit	19.68%

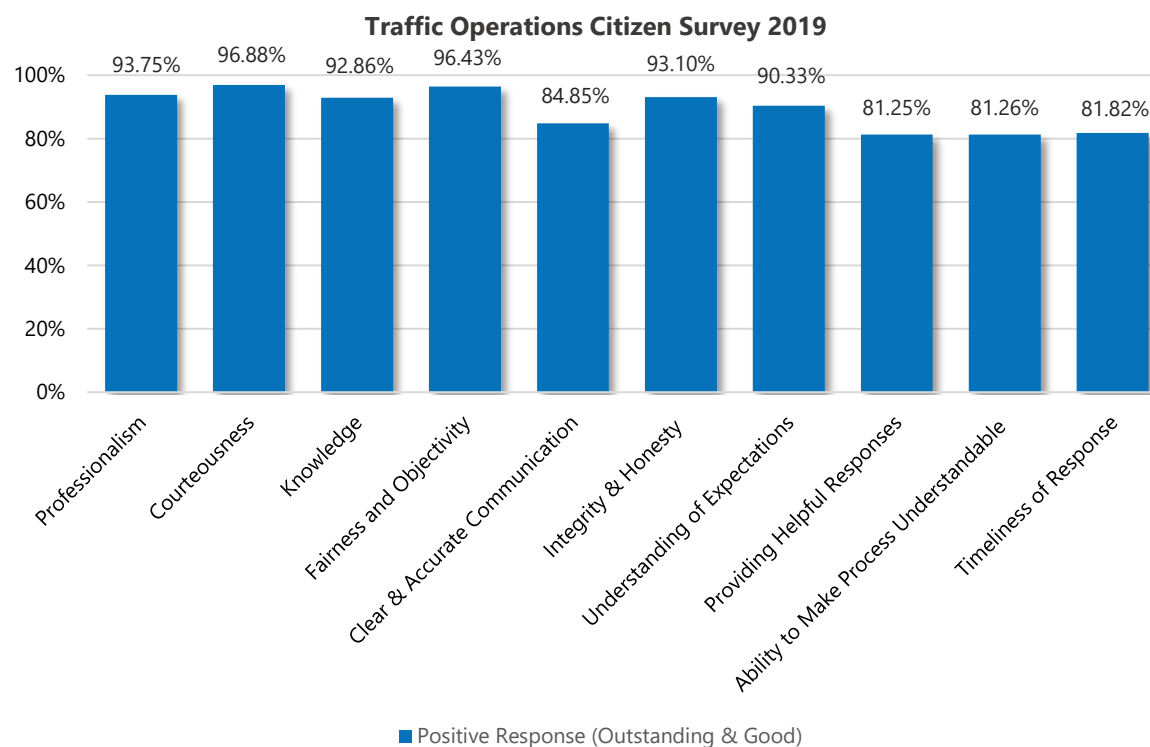
Incident Duration

Measure	2019
Mean time for responders to arrive on-scene after notification	9 minutes
Mean incident clearance time	33 minutes
Road Ranger stops	11,526

**Road Ranger Service is only provided along the interstate highway system. This data pertains to incidents occurring along I-75 in Collier County.*



Customer Service (Existing Conditions)



* The service provision ratings from the 2019 Traffic Operations Citizen Survey were collected to report on the nature of comments / responses and customer satisfaction. The “Good” and “Outstanding” responses were combined to show the total positive response for each of the service provision categories.



5.0 Areas of Congestion

This section evaluates congestion on the CMP network and uses a variety of tools to provide a clearer picture of current and potential future recurring and non-recurring congestion issues. The tools chosen to evaluate and provide context to congestion within the CMP network include:

- Volume-to-Capacity Ratios
- Travel Time/Speed Based Results
- School Congestion
- Hot Spot Safety Locations
- Congestion Survey – Public Outreach Results

The results and analysis from these tools will serve an essential bridge between the evaluation of system performance data and the identification of potential strategies to address congestion.

5.1 Volume-to-Capacity Ratios

The volume-to-capacity (V/C) ratio is a measure of the traffic volume on a road compared to the capacity of the roadway. This traditional approach to congestion analysis relies on generalized assumptions of roadway capacity based on adopted Level of Service (LOS) standards from local agency comprehensive plans and factors applied to daily traffic counts for calculating peak travel conditions. A V/C ratio exceeding 1.0 indicates that the traffic volume of the road is greater than the calculated capacity and has become congested. The results of this tool produce a generalized planning level screening of congestion and capacity conditions. Using historic traffic patterns, current traffic counts have been grown to estimate conditions in 5 years (2023) to be consistent with the committed transportation funded projects listed in the MPO's Transportation Improvement Program. Figure 5-1 indicates the results of the V/C ratio analysis for the CMP network. Appendix A includes a full listing of the CMP Network Analysis for the 2018 existing conditions and the 2023 Existing plus Committed conditions.



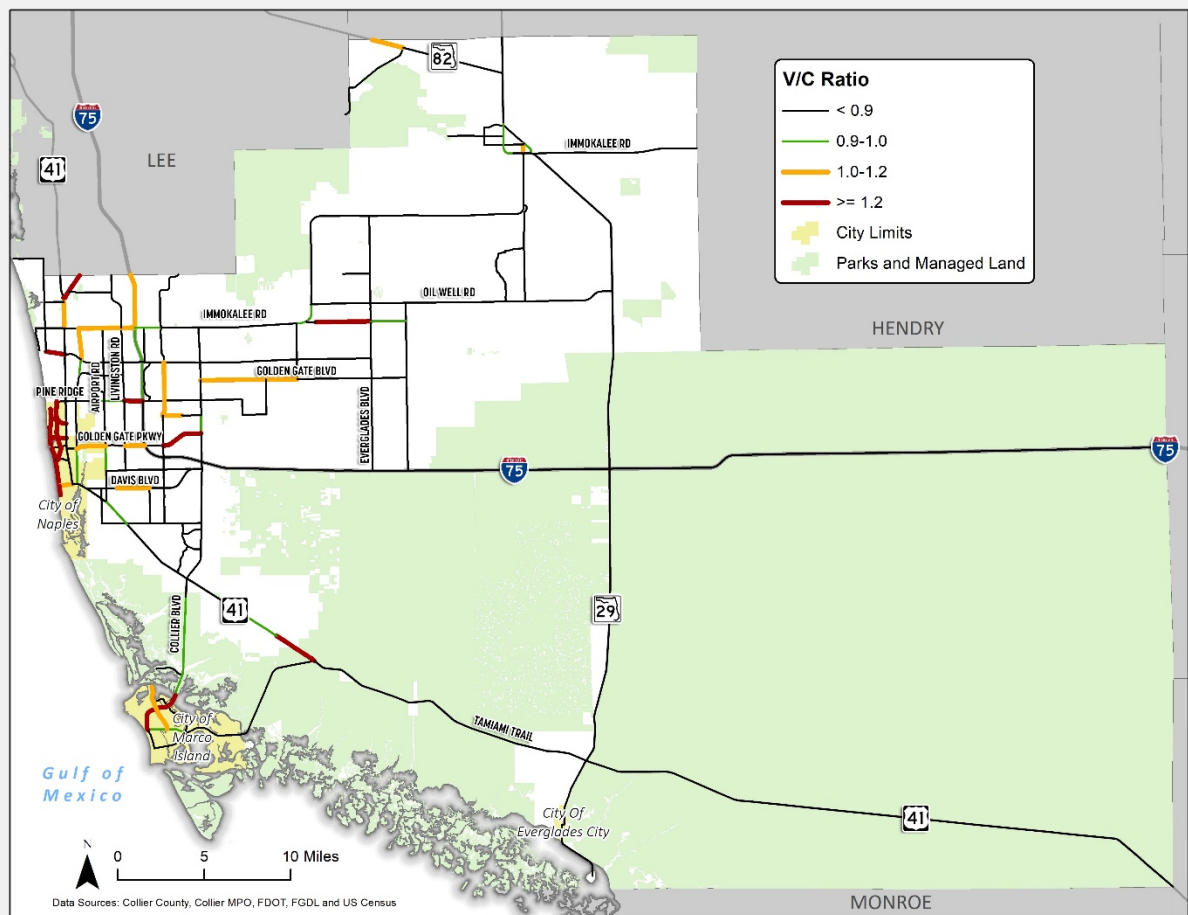


Figure 5-1: 2023 Volume / Capacity Ratio

5.2 Travel-Time/Speed Based Results

Using Location Based Services (LBS) from enable mobile devices, recorded timestamps at nodes located along major transportation routes can be translated into travel speeds and associated with specific roadway segments. Collier County has recently acquired LBS travel in partnership with a data provider that has resulted in the identification of travel time and speed based data for more than 200 roadway segments. This partnership allows the County to access travel conditions for a limited number of days. Comparison of travel times for November 2019 and February 2020 were collected to highlight the impact of peak season conditions and travel times on two selected days. Travel time data analysis can highlight the variation of trip times along the transportation network. Variability in the change in travel time from one day to the next day is due to a variety of sources of congestion. Having access to a broader and more complete set of travel time data and variability becomes the basis for determining the reliability of a transportation facility or roadway. The main source of variability is non-recurring events (e.g. traffic incidences, bad weather, work zones, seasonality, and other events, etc.) which reduces the reliability of travel times along the transportation system. Speed and travel-time data allow for a more robust understanding of congestion along the transportation network and provides opportunities to identify strategies that go beyond capacity-related congestion management strategies to include operations and



demand management solutions. The Action Plan will identify and evaluate these strategies and recommend tools and technological investments to better collect data on variation and reliability reporting for the CMP Network.

Using data collected on November 6, 2019 and February 5, 2020, Figure 5-2 illustrates AM Peak Hour (7:00 AM to 8:00 AM) conditions and Figure 5-3 the PM Peak Hour (5:00 PM to 6:00 PM) conditions. These comparative figures show the changes in travel speeds. For analyzing the current CMP network, this speed data was used to pinpoint hot spots along the network to supplement the traffic volume analysis.



Collier MPO Transportation System Performance Report & Action Plan

Baseline Conditions Report

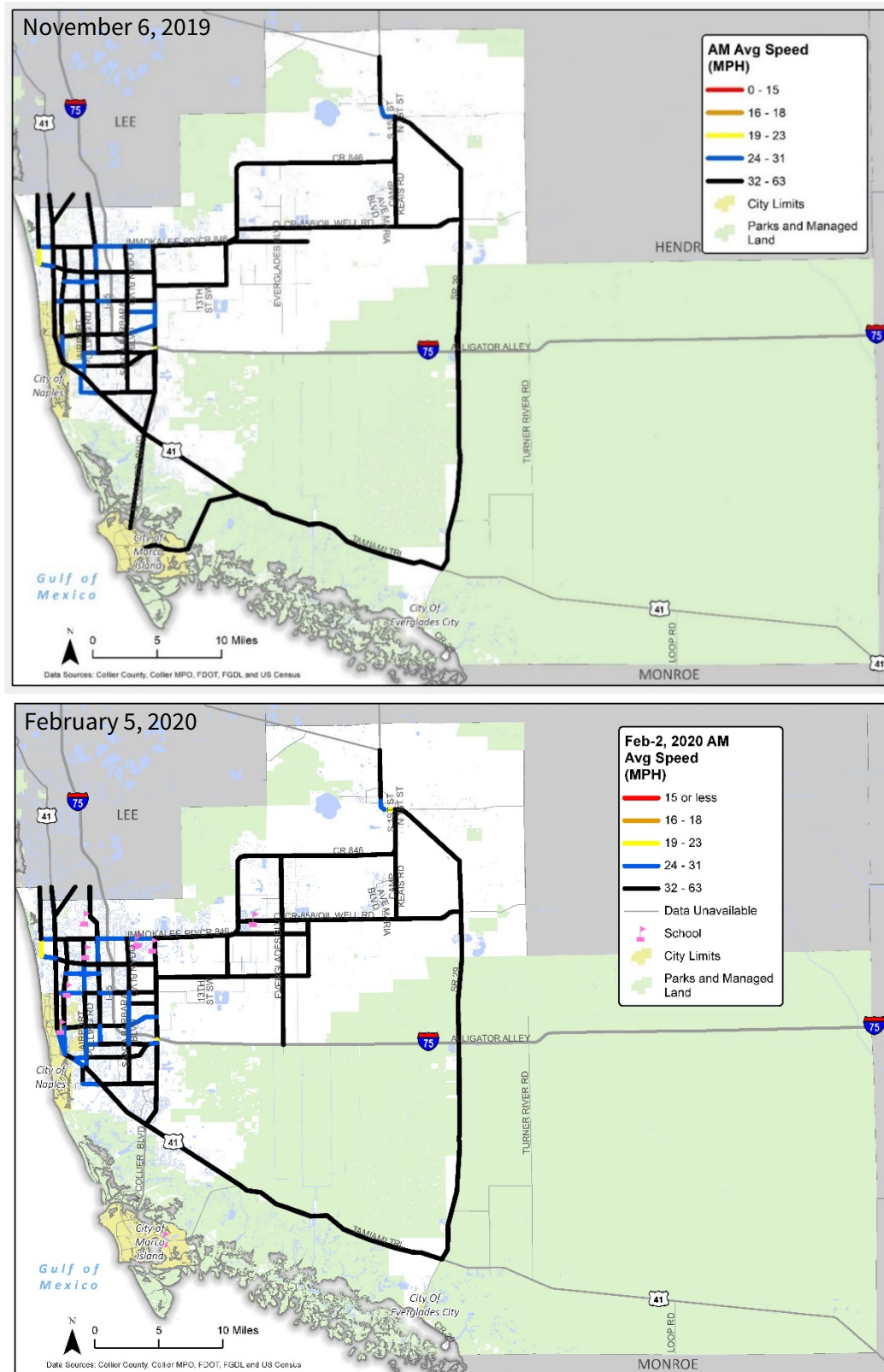


Figure 5-2: Average AM (7:00 AM-8:00AM) Speed Comparison



Collier MPO Transportation System Performance Report & Action Plan

Baseline Conditions Report

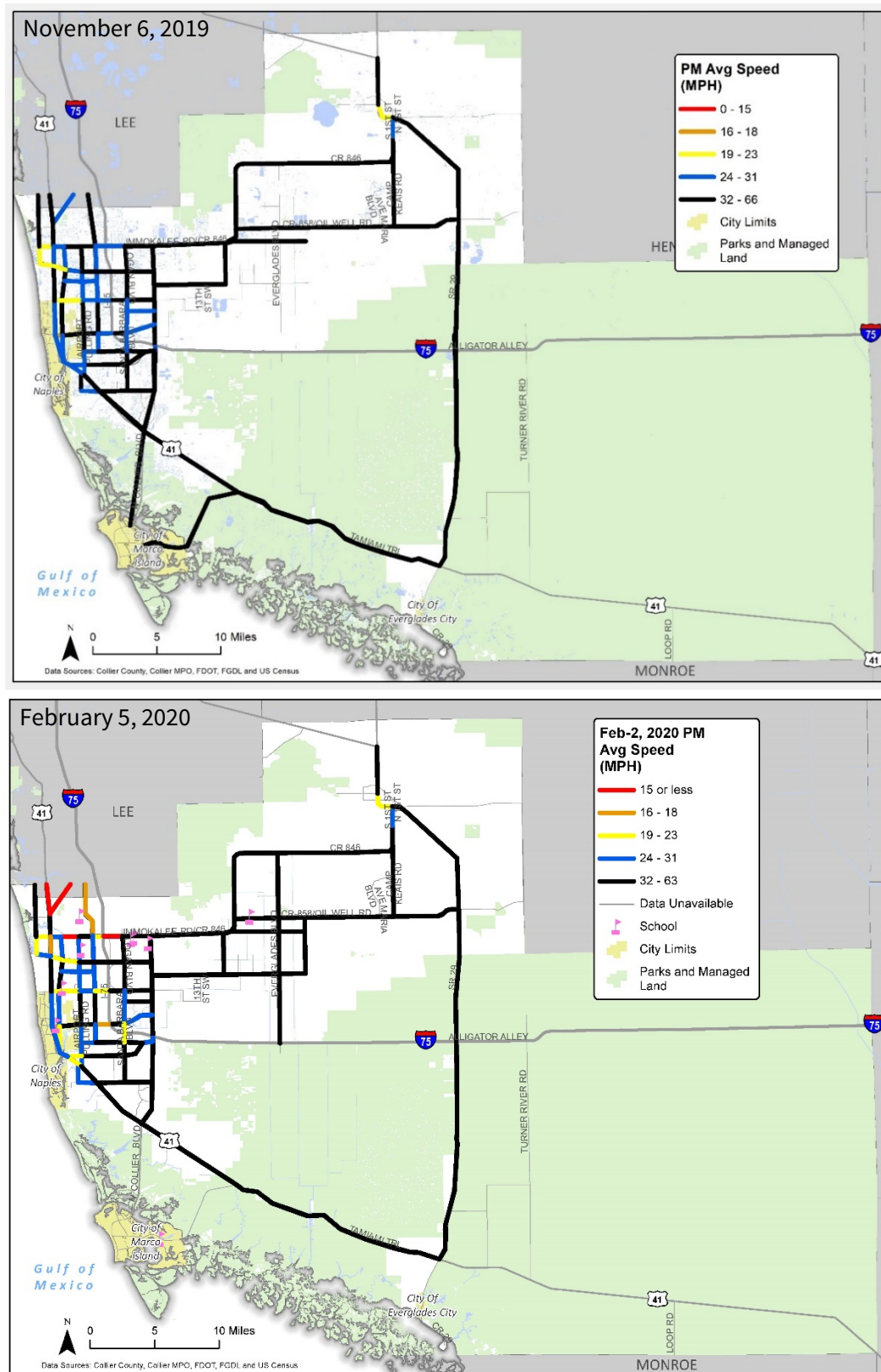


Figure 5-3: Average PM (5:00 PM-6:00 PM) Speed Comparison



5.3 School Congestion

High volumes of traffic at schools during arrival and pick-up times cause recurring congestion and often unsafe conditions for bicyclists and pedestrians. Developing an understanding of the dynamics of traffic operations around a school and parent and student behavior allow local agencies to provide guidance to school officials on operational and demand management solutions for recurring traffic in and around campus.

There are 58 public schools in Collier County, of these, the School District of Collier County identified 20 schools with the most traffic congestion concerns (Table 5-2). Of the 20 schools, the 9 schools that had the highest bus eligibility rates were selected as the top-tier locations of concern for traffic congestion and for evaluation against potential school congestion management strategies. This evaluation can be found in the Action Plan. The 9 schools with the highest bus eligibility rates and high congestion are shown in Figure 5-4 and Table 5-1.



Figure 5-4: Top 9 Collier County Schools for Congestion Management Evaluation



Baseline Conditions Report

Table 5-1: Top 9 Collier County Schools for Congestion Management Evaluation

School Name	School Abbreviation
Gulf Coast High	GCH
Laurel Oak Elementary	LOE
Marco Island Academy	MIA
Naples High	NHS
North Naples Middle	NNM
Oakridge Middle School	OMS
Pelican Marsh Elementary	PME
Palmetto Ridge High	PRH
Pine Ridge Middle	PRM

Table 5-2: Top 20 Collier County Schools with Congestion

School Name	School Abbreviation	AM Congestion	PM Congestion
Eden Park Elementary (EPE)	EPE	X	X
Gulf Coast High	GCH	X	X
Golden Gate Elementary North	GGE (N)	X	X
Golden Gate Elementary South	GGE (S)	X	X
Golden Gate High	GGH	X	X
Golden Gate Middle	GGM	X	X
Golden Terrace Elementary (N)	GTE(N)	X	X
Golden Terrace Elementary (S)	GTE(S)	X	X
Immokalee High	I.H.S	X	X
Immokalee Middle	IMS	X	X
Laurel Oak Elementary	LOE	X	X
Lake Trafford Elementary	LTE	X	X
Marco Island Academy	MIA	X	X
Naples High	NHS	X	X
North Naples Middle	NNM	X	X
Naples Park Elementary	NPE	X	X
Osceola Elementary	OES	X	X
Oakridge Middle School	ORM	X	X
Pelican Marsh Elementary	PME	X	X
Palmetto Ridge High	PRH	X	X
Pine Ridge Middle	PRM	X	X
Parkside Elementary	PSE		X



5.4 Safety

While congestion reduction is important for livability and daily quality of life, addressing traffic safety is a critical component of the MPO's charge. The MPO has undertaken a Local Road Safety Plan companion study to the TSP Report to better focus on fatality and serious injury related crashes. Thus, the focus of the CMP includes safety considerations relative to the impact of non-recurring congestion. MPOs are required to address the Safety Emphasis Areas of the State Strategic Highway Safety Plan in their planning efforts. This often is performed as part of the MPO's Long Range Transportation Plan development efforts, but it is difficult to forecast crashes in the future and addressing existing safety issues should not be delayed. Including safety countermeasures is an important part of the Congestion Management Process and preventing accidents prevents potential congestion as severe crashes often take a long time to clear. Figure 5-5 identifies the top intersection and roadway segment crash locations. These locations were determined based on an analysis of the top 20 highest frequency (total) and top 20 highest rate (based on traffic volume) locations of crashes for the five-year crash period from 2014 to 2018. Table 5-3 lists in more detail the extent and crash characteristics of the top crash corridors. These segments are further reviewed in the Action Plan for safety countermeasures.

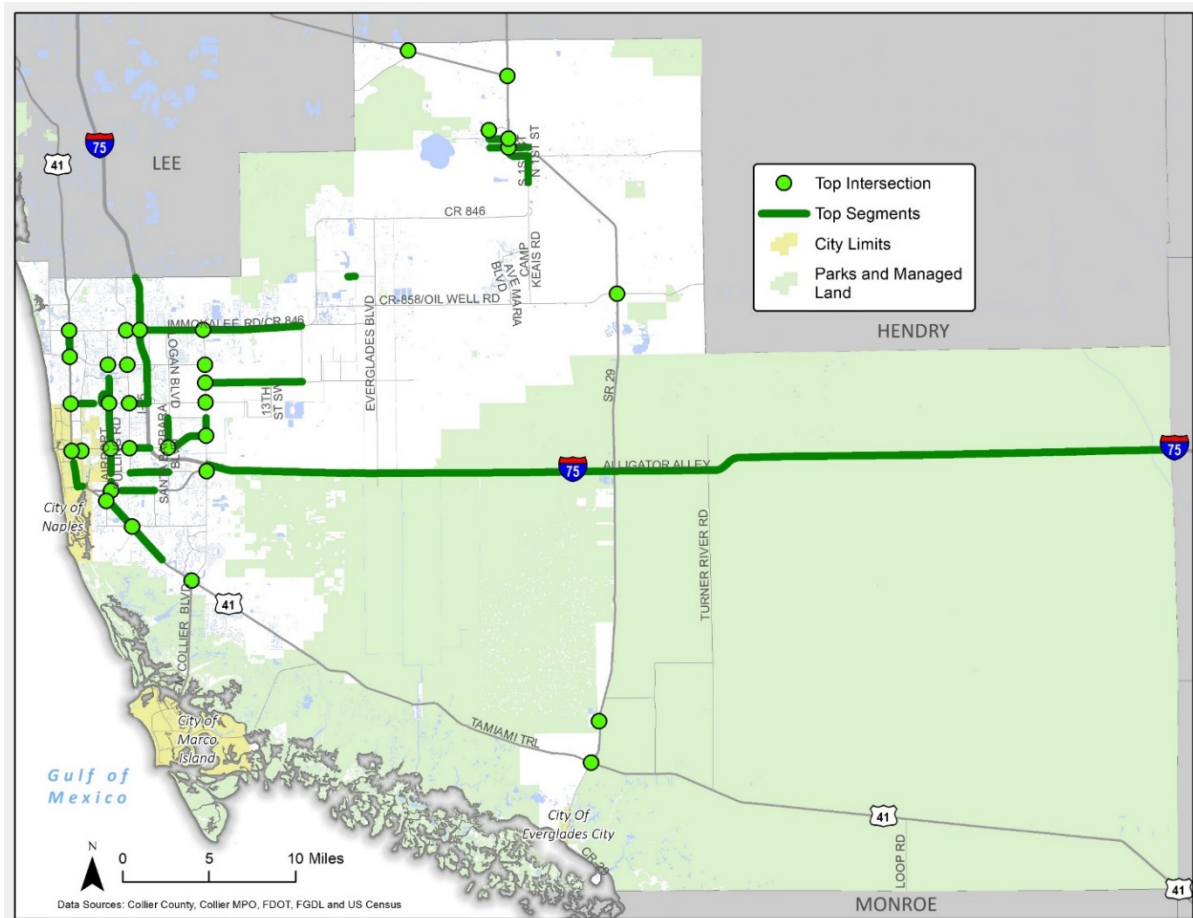


Figure 5-5: Top Safety Concern Intersections and Road Segments



Table 5-3: Top Road Segment Crash Locations (2014-2018)

On Street	From Street	To Street	Total Crashes	Length (miles)	AADT	Crash Rate	Frequency / Rate
Golden Gate Pkwy	Santa Barbara Blvd	Collier Blvd	559	2.21	27,496	5.048	Frequency
I 75	Broward County Line	SR 29	470	29.13	22,000	0.402	Both
Airport Rd	Pine Ridge Rd	Orange Blossom Dr	455	1.45	34,686	4.943	Both
Tamiami Trail East	Airport Rd	Rattlesnake Hammock Rd	453	1.69	47,814	3.074	Frequency
Airport Rd	Radio Rd	Golden Gate Pkwy	405	1.43	44,008	3.534	Both
Immokalee Rd	I 75	Logan Blvd	402	1.37	38,245	4.210	Both
Tamiami Trail North	Immokalee Rd	Vanderbilt Beach Rd	396	1.51	35,925	4.005	Both
Golden Gate Blvd	Collier Blvd	Wilson Blvd	381	5.03	25,481	1.630	Frequency
I 75	SR 29	SR 951	366	21.23	24,970	0.378	Frequency
Immokalee Rd	Livingston Rd	I 75	355	0.71	46,874	5.886	Both
Pine Ridge Rd	Livingston Rd	I 75	351	0.95	52,322	3.869	Both
I 75	Pine Ridge Rd	Immokalee Rd	331	4.27	35,295	1.203	Frequency
Immokalee Rd	Logan Blvd	Collier Blvd	331	1.94	89,362	1.048	Frequency
Golden Gate Pkwy	Livingston Rd	I 75	293	2.05	42,756	1.835	Frequency
Davis Blvd	Lakewood Blvd	County Barn Rd	291	1.68	28,243	3.359	Frequency
Airport Rd	Golden Gate Pkwy	Pine Ridge Rd	290	2.59	46,556	1.316	Frequency
Tamiami Trail East	Rattlesnake Hammock Rd	Treetops Dr	280	2.45	37,428	1.674	Frequency
I 75	Immokalee Rd	Lee County Line	278	3.06	99,582	0.501	Frequency
Immokalee Rd	Collier Blvd	Wilson Blvd	271	5.10	29,259	0.995	Frequency
Tamiami Trail North	12th Ave N	Goodlette Rd S	269	1.66	51,500	1.727	Frequency
Radio Road	Livingston Road	Santa Barbara Boulevard	250	1.99	18,398	3.742	Rate
Santa Barbara Boulevard	Golden Gate Parkway	Green Boulevard	215	1.71	20,314	3.391	Rate
Airport Road	Davis Boulevard	North Rd	198	0.52	43,551	4.819	Rate
Collier Boulevard	Golden Gate Pkwy	Green Boulevard	177	1.04	27,271	3.420	Rate
Pine Ridge Road	Goodlette-Frank Road	Shirley Street	165	0.67	36,418	3.733	Rate
Immokalee Rd	Stockade Rd	SR 29	157	1.52	6,949	8.155	Rate
Lake Trafford Rd	Carson Rd	SR 29	93	1.00	8,650	5.874	Rate
Immokalee Drive	N 29th St	Charlotte St	91	1.97	6,200	4.074	Rate



Collier MPO Transportation System Performance Report & Action Plan

Baseline Conditions Report



On Street	From Street	To Street	Total Crashes	Length (miles)	AADT	Crash Rate	Frequency / Rate
SR 29	1st St	9th Street	79	0.50	11,796	7.296	Rate
SR 29	9th Street	Immokalee Dr	76	0.87	12,295	3.893	Rate
Naples Boulevard	Pine Ridge Rd	Airport Rd	66	0.87	12,400	3.372	Rate
Shadowlawn Dr	US 41	Davis Blvd	21	0.59	4,526	4.287	Rate
47th Avenue NE	20th St NE	Golden Gate Main Canal	1	0.37	300	4.936	Rate

Table footnotes:

- Locations based on the 20 highest crash frequency and 20 highest crash rate segments
- AADT – Average Annual Daily Traffic
- Crash Rate based is expressed as the number of crashes per 100 million vehicle miles of travel (AADT*Length) for the five-year reporting period.



5.5 Congestion Survey – Public Outreach Results

An online survey was conducted to gather important information from residents on levels, causes, and potential solutions for traffic congestion. The key takeaways from the survey results regarding causes of congestion and congestion hotspots are summarized below. The remaining survey results pertaining to driving patterns and strategies for reducing overall travel demand and congestion are further summarized and incorporated into the Action Plan.

The first section of the survey questionnaire asked about opinions related to traffic congestion, it's causes. As seen in Figure 5-6, almost half of survey respondents chose *high traffic volumes* as their preferred definition of traffic congestion, while almost one-quarter selected *long delays at intersections*.

When asked to select the three most significant cause of traffic congestion in Collier County, three-quarters of respondents selected *seasonal traffic from visitors*, nearly half selected *inadequate roadway capacity*, and one-third selected *ineffective traffic signals/poor signal coordination*. Other popular responses selected by just under one-quarter of respondents each were *poor intersection/interchange design* and *crashes/traffic incidents* (Figure 5-7).

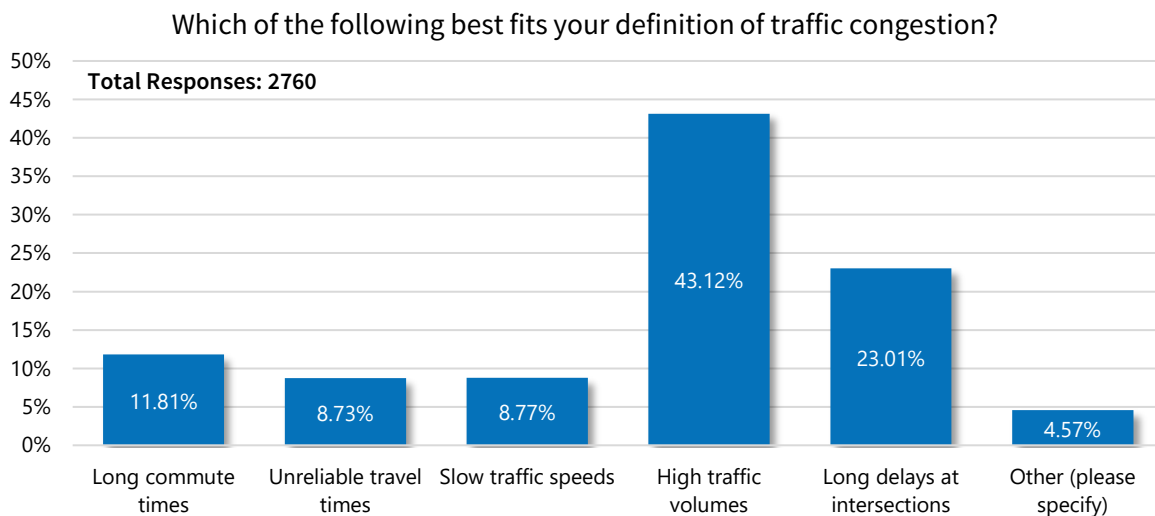


Figure 5-6: Defining Traffic Congestion



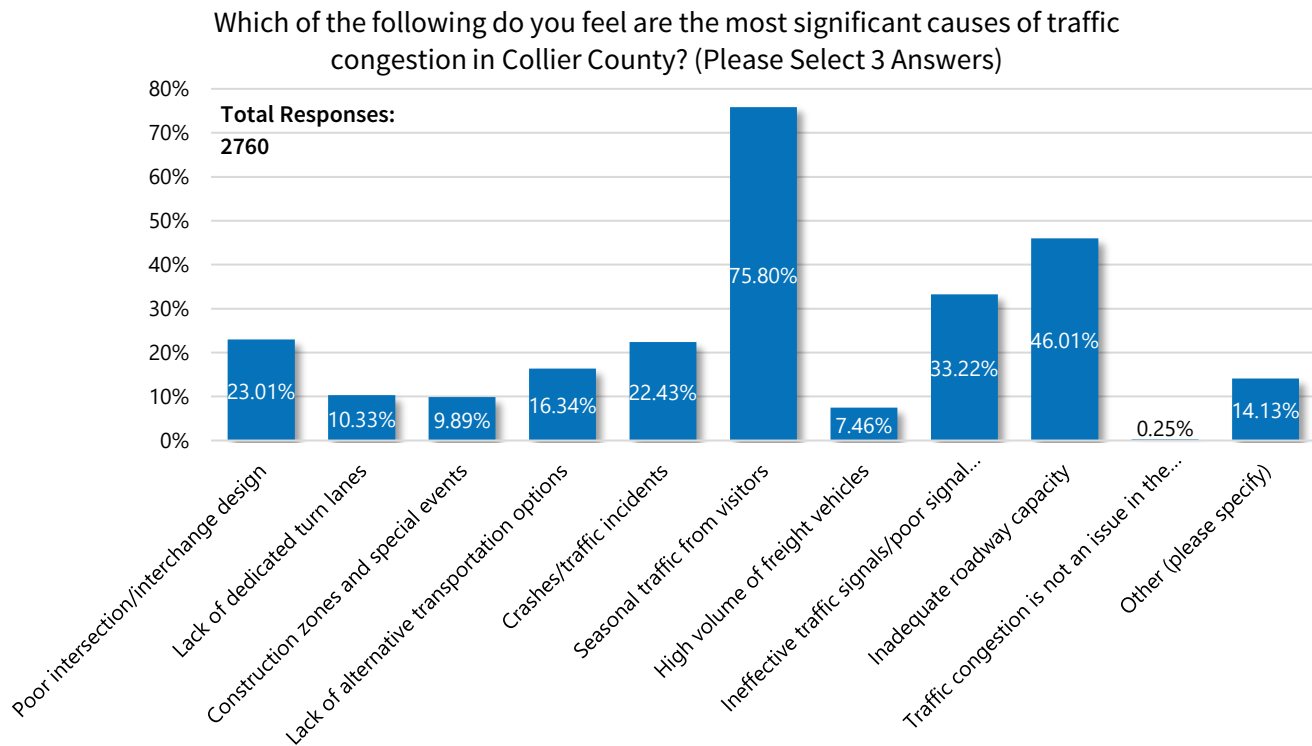


Figure 5-7: Most Significant Causes of Traffic Congestion

The final survey question asked for respondents to provide any additional thoughts or comments on traffic congestion in Collier County. Figure 5-8 shows the most common locations based on roadway or place names that appear in the comments. The most common locations mentioned by survey respondents were I-75, Immokalee, and Collier.



Please share any other thoughts or comments related to traffic congestion in Collier County, the following locations were most common in the responses:

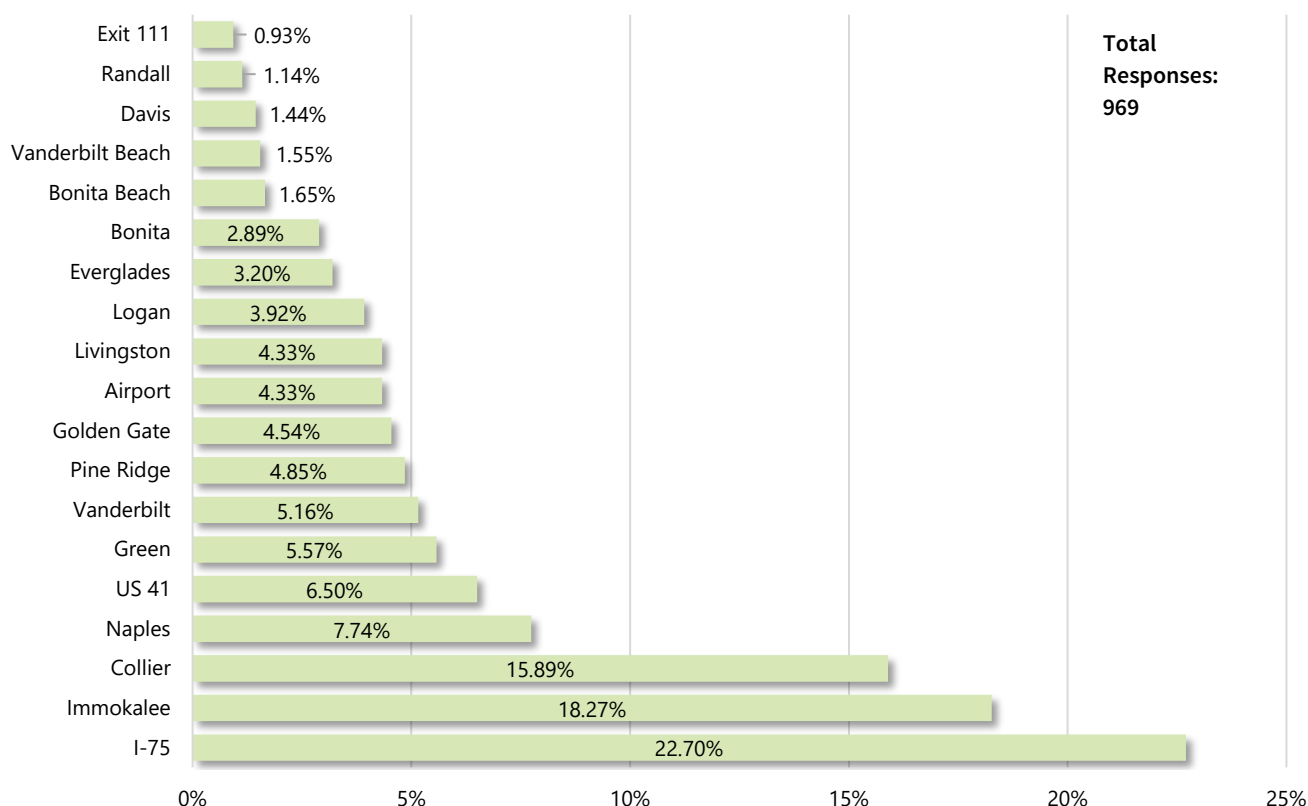


Figure 5-8: Most Common Locations from Additional Comment Section

5.6 Problem Congestion Areas

Problem congestion areas were identified by conducting a geospatial analysis of the results from the recurring and non-recurring congestion analysis in Section 4. This analysis identified the congestion hot spot locations in Collier County (Figure 5-9) that will be assessed for congestion management strategies in the Action Plan. The hot spot locations were then sorted into three Tiers to further identify which of the hot spot locations had the most causes of congestion. Tier 1 represents road segments influenced by 3 or more congestion causes; Tier 2 represents road segments influenced by 2 congestion causes; and Tier 3 in represents road segments influenced by 1 congestion cause.

The sources of congestion used to identify and rank the congestion hot spot locations included:

- School Congestion – road segments adjacent to schools with congestion issues
- Safety – intersections and road segments with the highest frequency and rate of crashes
- V/C Ratio – road segments with a V/C ratio greater than, or equal to 1
- Speed – roadways with recorded speeds of less than, or equal to 23 mph
- Public Comment – roadways noted by Congestion Survey respondents (excluding interstate)



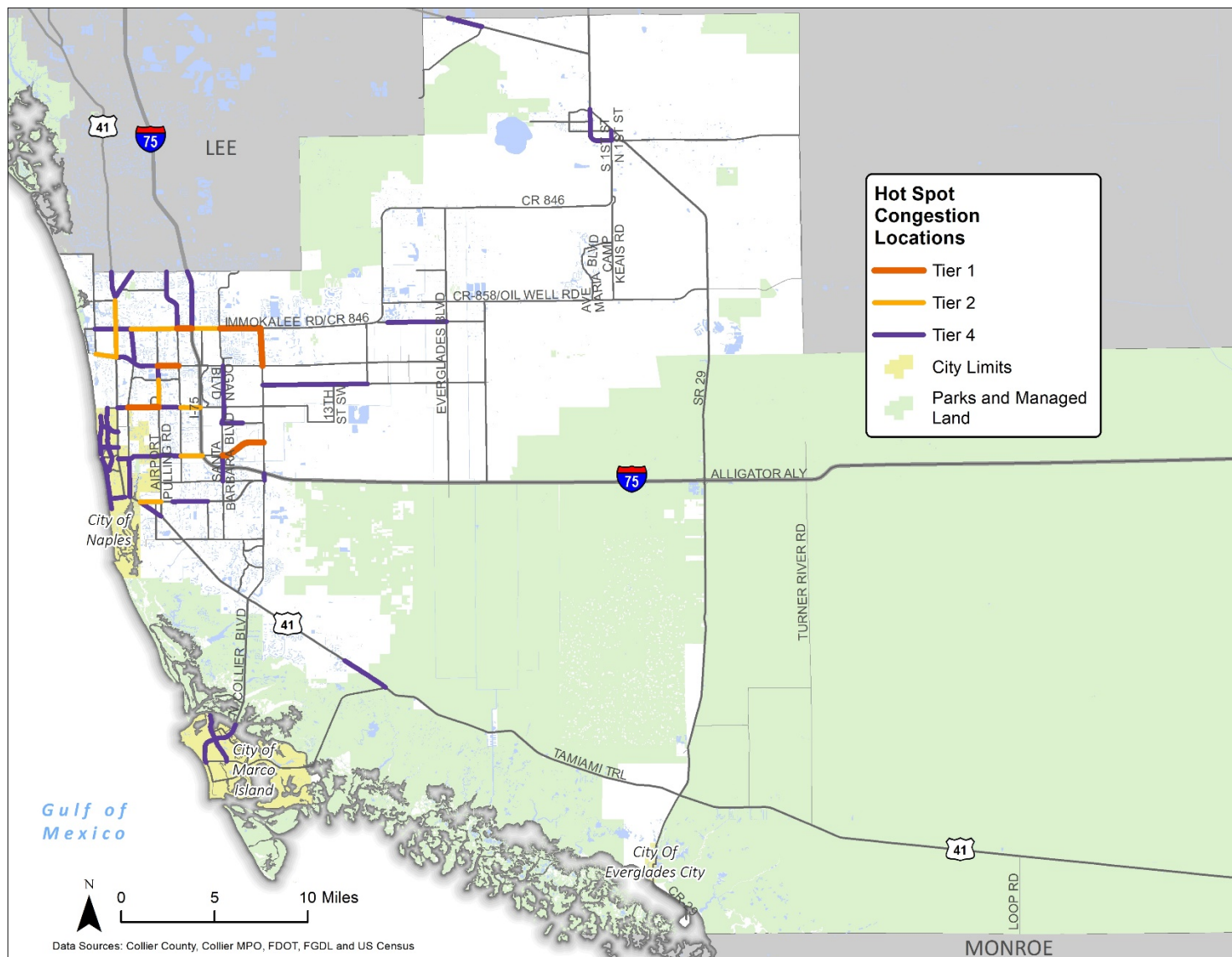


Figure 5-9: Hot Spot Congestion Locations in Collier County



Table 5-4: Tier 1 Hot Spot Congestion Locations

	School	Safety	V/C Ratio	Speed	Public Feedback
Immokalee Rd from Livingston Rd to I-75		X	X	X	X
Immokalee Rd from Logan Rd to CR 951	X	X			X
CR 951 from Vanderbilt Beach Rd to Immokalee Rd	X	X			X
Vanderbilt Beach Rd from Airport-Pulling Rd to Livingston Rd		X		X	X
Pine Ridge from Goodlette Frank Rd to Airport-Pulling Rd	X			X	X
Golden Gate Parkway from Santa Barbara Blvd to CR 951		X*	x		

*The intersection of Golden Gate Parkway and Santa Barbara as well as the segment of Golden Gate Parkway are high crash locations.

Table 5-5: Tier 2 Hot Spot Congestion Locations

	School	Safety	V/C Ratio	Speed	Public Feedback
Immokalee Rd from I-75 to Logan Rd				X	X
Immokalee Rd from Goodlette Frank Rd to Livingston Rd			X	X	
US 41 from Vanderbilt Beach Rd to Immokalee Rd		X		X	
US 41 from Immokalee Rd to Old US 41			X	X	
Vanderbilt Beach Rd from Wiggins Pass to US 41			X	X	
Airport-Pulling Rd from Pine Ridge Rd to Orange Blossom Dr		X		X	
Pine Ridge Rd from Livingston Rd to I-75		X		X	
Golden Gate Pkwy from Livingston Rd to I-75			X	X	
Davis Blvd from US 41 to Airport-Pulling Rd		X		X	



Appendix A: Congestion Management Process Network Level of Service



Collier MPO
Congestion Management Process Network

2018 Level of Service Conditions - March 2020

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
MPO ID	Road Number	On Street	From Street	To Street	Functional Class	Length (miles)	Jurisdiction	Posted Speed	2018 Number of Lanes	LOS Standard (1)	Collier Count Station ID	Naples Count Station ID	FDOT Count Station	2018 AADT (4)	Pk Hr. Pk Dir. Volume (4)	Daily Service Volume	Pk Hr. Pk Dir. Service Volume	Pk Hr. Pk Dir. V/SV Ratio {2}	LOS (3)
10	CR 846	111th Avenue N.	Gulfshore Drive	Vanderbilt Drive	Major Collector Urban	0.51	Collier	45	2U	D	585			N/A	306	15,930	792	0.39	C
11	CR 846	111th Avenue N.	Vanderbilt Drive	US 41 (Tamiami Trail)	Major Collector Urban	1.00	Collier	35	2U	D	613			N/A	439	13,320	675	0.65	D
20		47th Avenue NE	20th St NE	Golden Gate Main Canal	Major Collector Urban	0.37	Collier	30	2U	D			30201	300	15	12,780	666	0.02	C
21		47th Avenue NE	Golden Gate Main Canal	Everglades Blvd N	Major Collector Rural	1.03	Collier	30	2U	D			30201	300	15	12,780	666	0.02	C
40	CR 31	Airport Road	US 41 (Tamiami Trail)	Davis Boulevard	Minor Arterial Urban	0.80	Collier	45	6D	E	552			32,955	1,650	59,900	3,020	0.55	C
41	CR 31	Airport Road	Davis Boulevard	North Rd	Minor Arterial Urban	0.52	Collier	45	6D	E	553			43,551	2,230	59,900	3,020	0.74	C
42	CR 31	Airport Road	Radio Rd	Radio Road	Minor Arterial Urban	0.50	Collier	45	6D	E	553			43,551	2,230	59,900	3,020	0.74	C
43	CR 31	Airport Road	Radio Road	Golden Gate Parkway	Minor Arterial Urban	1.43	Collier	45	6D	E	533			44,008	2,310	59,900	3,020	0.76	C
44	CR 31	Airport Road	Golden Gate Parkway	Pine Ridge Road	Minor Arterial Urban	2.59	Collier	45	6D	E	502			46,556	2,330	59,900	3,020	0.77	C
45	CR 31	Airport Road	Pine Ridge Road	Orange Blossom Drive	Minor Arterial Urban	1.45	Collier	45	6D	E	503			34,686	1,770	59,900	3,020	0.59	C
46	CR 31	Airport Road	Orange Blossom Drive	Vanderbilt Beach Road	Minor Arterial Urban	0.76	Collier	45	6D	E	599			31,751	1,810	59,900	3,020	0.60	C
47	CR 31	Airport Road	Vanderbilt Beach Road	Immokalee Rd	Minor Arterial Urban	1.98	Collier	45	4D	D	554			22,700	1,220	35,820	1,800	0.68	C
50		Ave Maria Boulevard / Pope John Paul II	Oil Well Rd	Camp Keais Rd	Minor Collector Rural	4.39	Collier	45	4D	D			34157	2,200	113	27,360	1,422	0.08	C
70		Bayshore Drive	Thomasson Drive	US 41 (Tamiami Trail)	Major Collector Urban	1.43	Collier	35	4D	D	521			9,886	620	29,160	1,467	0.42	C
80	CR 865	Bonita Beach Road	Hickory Boulevard	West of Vanderbilt Drive	Minor Arterial Urban	1.53	Collier	45	4D	D	653			21,343	1,060	35,820	1,800	0.59	C
90		Camp Keais Road	Oil Well Rd	Immokalee Rd	Minor Collector Rural	5.68	Collier	55	2U	D	626A			4,602	260	23,100	1,200	0.22	B
110		Carson Road	Immokalee Dr	Lake Trafford Rd	Major Collector Urban	0.50	Collier	35	2U	D	610			5,807	330	13,320	675	0.49	C
111		Carson Road	Lake Trafford Rd	Westclox St	Major Collector Urban	0.50	Collier	25	2U	D			34118	4,900	243	13,320	675	0.36	C
120		Charlotte St	Immokalee Dr	New Market Rd E	Major Collector Urban	0.08	Collier	30	2U	D			34121	6,700	332	13,320	675	0.49	C
136	CR 951	Collier Boulevard	US 41 (Tamiami Trail)	Rattlesnake Hammock Road	Principal Arterial-Other Urban	3.41	Collier	55	6D	E	603		34657	33,616	1,900	59,900	3,020	0.63	C
137	CR 951	Collier Boulevard	Rattlesnake Hammock Road	Davis Boulevard	Principal Arterial-Other Urban	3.11	Collier	55	6D	E	602		34602	31,623	1,660	59,900	3,020	0.55	C
138	SR 951	Collier Boulevard	Davis Boulevard	I-75	Principal Arterial-Other Urban	0.38	Collier	45	8D	E	573		30190	52,206	2,960	80,100	4,040	0.73	C
139	CR 951	Collier Boulevard	I-75	Golden Gate Main Canal	Minor Arterial Urban	0.65	Collier	45	8D	E	607			23,625	1,370	80,100	4,040	0.34	C
140	CR 951	Collier Boulevard	Golden Gate Main Canal	Golden Gate Pwky	Minor Arterial Urban	1.01	Collier	45	4D	D	607			23,625	1,370	35,820	1,800	0.76	C
141	CR 951	Collier Boulevard	Golden Gate Pwky	Green Boulevard	Minor Arterial Urban	1.04	Collier	45	4D	D	525			27,271	1,500	35,820	1,800	0.83	C
142	CR 951	Collier Boulevard	Green Boulevard	Pine Ridge Road	Minor Arterial Urban	0.88	Collier	45	6D	D	536			29,571	1,780	59,900	3,020	0.59	C
143	CR 951	Collier Boulevard	Pine Ridge Road	Golden Gate Boulevard	Minor Arterial Urban	1.13	Collier	45	6D	D	536			29,571	1,780	59,900	3,020	0.59	C
144	CR 951	Collier Boulevard	Golden Gate Boulevard	Vanderbilt Beach Road	Minor Arterial Urban	1.03	Collier	30	6D	E	584			22,262	1,220	50,900	2,560	0.48	D
145	CR 951	Collier Boulevard	Vanderbilt Beach Road	Immokalee Road	Minor Arterial Urban	2.02	Collier	45	6D	E	655			28,175	1,680	59,900	3,020	0.56	C
150	CR 29	Copeland Avenue	Snook Aly	Broadway St	Major Collector Rural	3.74	Collier	45	2U	D			34185	1,400	69	12,780	666	0.10	C
160	CR-850	Corkscrew Rd	East of Corkscrew Lines Blvd	Wildcat Dr	Major Collector Rural	1.64	Collier	55	2U	D			34126	4,500	235	14,300	740	0.32	B
170		County Barn Road	Rattlesnake Hammock Road	Davis Boulevard	Major Collector Urban	2.05	Collier	45	2U	D	519			6,931	380	15,930	792	0.48	C
180	CR 29	CR 29	Copeland Ave	US 41 (Tamiami Trail)	Major Collector Rural	4.00	Collier	55	2U	D	582A			3,008	160	23,100	1,200	0.13	B
190		CR-846 E	SR 29/E Main St	1 Mile East of Tradeport Pkwy	Major Collector Urban	1.63	Collier	45	2U	D			34129	2,800	139	15,930	792	0.18	C
191		CR-846 E	1 Mile East of Tradeport Pkwy	Line Rd	Major Collector Rural	6.95	Collier	45	2U	D			34129	2,800	146	14,300	740	0.20	B
200		CR-850	Wildcat Dr	SR 82	Major Collector Rural	3.75	Collier	55	2U	D			34139	4,400	230	14,300	740	0.31	B
230		DeSoto Blvd	I-75	Golden Gate Blvd	Local	5.30	Collier	45	2U	D	639A			2,526	150	23,100	1,200	0.13	B
231		DeSoto Blvd	Golden Gate Blvd	Oil Well Rd	Local	4.31	Collier	45	2U	D	638A			2,270	110	23,100	1,200	0.09	B
240		Everglades Boulevard	I-75	Golden Gate Blvd	Minor Collector Rural	5.35	Collier	45	2U	D	637S			7,541	450	23,100	1,200	0.38	B
241		Everglades Boulevard	Golden Gate Blvd	Oil Well Road	Minor Collector Rural	4.33	Collier	45	2U	D	636S			6,167	310	12,780	666	0.47	C
242		Everglades Boulevard	Oil Well Road	Immokalee Road	Minor Collector Rural	5.00	Collier	45	2U	D	635S			7,554	450	23,100	1,200	0.38	B
250	CR 876	Golden Gate Boulevard	Collier Boulevard	Wilson Boulevard	Major Collector Urban	5.03	Collier	45	4D	D	531			25,481	1,710	35,820	1,800	0.95	C
251		Golden Gate Boulevard	Wilson Boulevard	18th Street NE/SE	Major Collector Urban	2.27	Collier	45	4D	D	652			18,822	1,190	35,820	1,800	0.66	C
252		Golden Gate Boulevard	18th Street NE/SE	Everglades Boulevard	Major Collector Urban	1.59	Collier	45	2U	D	652			18,822	1,190	24,200	1,190	1.00	D
253		Golden Gate Boulevard	Everglades Boulevard	DeSoto Boulevard	Major Collector Urban	1.84	Collier	45	2U	D	Manual			N/A	227	15,930	792	0.29	C
260	CR 886	Golden Gate Parkway	US 41 (Tamiami Trail)	Goodlette-Frank Road	Minor Arterial Urban	0.50	Collier	45	6D	E	530			20,150	1,230	59,900	3,020	0.41	C
261	CR 886	Golden Gate Parkway	Goodlette-Frank Road	Airport Road	Minor Arterial Urban	1.56	Collier	55	6D	E	507			49,250	2,930	59,900	3,020	0.97	C
262	CR 886	Golden Gate Parkway	Airport Road	Livingston Road	Minor Arterial Urban	0.99	Collier	45	6D	E	508			41,693	2,290	59,900	3,020	0.76	C
263	CR 886	Golden Gate Parkway	Livingston Road	I-75	Minor Arterial Urban	2.05	Collier	45	6D	E	691			42,756	2,610	59,900	3,020	0.86	C
264	CR 886	Golden Gate Parkway	I-75	Santa Barbara Boulevard	Minor Arterial Urban	0.97	Collier	45	6D	E	509			35,190	2,140	59,900	3,020	0.71	C
265	CR 886	Golden Gate Parkway	Santa Barbara Boulevard	Collier Boulevard	Minor Arterial Urban	2.21	Collier	35	4D	D	605			27,496	1,610	29,160	1,467	1.10	F
270	CR 851	Goodlette-Frank Road	US 41 (Tamiami Trail)	Golden Gate Parkway	Minor Arterial Urban	2.03	Collier	45	6D	E	504			41,733	2,480	59,900	3,020	0.82	C
271	CR 851	Goodlette-Frank Road	Golden Gate Parkway	Pine Ridge Road	Minor Arterial Urban	2.72	Collier	45	6D	E	505			37,354	2,220	59,900	3,020	0.74	C
272	CR 851	Goodlette-Frank Road	Pine Ridge Road	Orange Blossom Drive	Minor Arterial Urban	1.53	Collier	45	6D	E	581			28,405	1,680	59,900	3,020	0.56	C
273	CR 851	Goodlette-Frank Road	Orange Blossom Drive	Vanderbilt Beach Road	Minor Arterial Urban	0.89	Collier	45	4D	D	595			24,268	1,370	35,820	1,800	0.76	C
274	CR 851	Goodlette-Frank Road	Vanderbilt Beach Road	Immokalee Road	Minor Arterial Urban	1.80	Collier	45	2U	D	594			16,143	820	15,930	792	1.04	F
280		Grand Lely Drive	US 41 (Tamiami Trail)	Rattlesnake Hammock Rd	Major Collector Urban	3.05	Collier	35	2U	D			34900	7,200	356	13,320	675	0.53	D
281		Grand Lely Drive	Lely Resort Boulevard	Collier Blvd	Major Collector Urban	0.72	Collier	35	4D	D			30057	7,100	351	29,160	1,467	0.24	C
290		Green Boulevard	Santa Barbara Boulevard	Sunshine Boulevard	Major Collector Urban	1.00	Collier	45	2U	D	642			11,032	680	15,930	792	0.86	C
291		Green Boulevard	Sunshine Boulevard	Collier Boulevard	Major Collector Urban	1.00	Collier	45	4D	D	642			11,032	680	35,820	1,800	0.38	C

Collier MPO
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
MPO ID	Road Number	On Street	From Street	To Street	Functional Class	Length (miles)	Jurisdiction	Posted Speed	2018 Number of Lanes	LOS Standard (1)	Collier Count Station ID	Naples Count Station ID	FDOT Count Station	2018 AADT (4)	Pk Hr. Pk Dir. Volume (4)	Daily Service Volume	Pk Hr. Pk Dir. Service Volume	Pk Hr. Pk Dir. V/SV Ratio (2)	LOS (3)
310		Gulfshore Drive	Vanderbilt Beach Road	111th Avenue	Minor Collector (Fed Aid)	1.31	Collier	25	2U	D	583a			3,854	220	13,320	675	0.33	C
340	CR 846	Immokalee Rd	US 41 (Tamiami Trail)	Goodlette-Frank Rd	Minor Arterial Urban	0.73	Collier	45	6D	E	566			42,449	2,080	59,900	3,020	0.69	C
341	CR 846	Immokalee Rd	Goodlette-Frank Rd	Airport Road	Minor Arterial Urban	1.25	Collier	45	6D	E	625			46,654	2,630	59,900	3,020	0.87	C
342	CR 846	Immokalee Rd	Airport Road	Livingston Road	Minor Arterial Urban	0.98	Collier	45	6D	E	567			52,698	2,900	59,900	3,020	0.96	C
343	CR 846	Immokalee Rd	Livingston Road	I-75	Minor Arterial Urban	0.71	Collier	45	6D	E	679			46,874	2,580	59,900	3,020	0.85	C
344	CR 846	Immokalee Rd	I-75	Logan Boulevard	Minor Arterial Urban	1.37	Collier	45	6D	E	568			38,245	2,390	59,900	3,020	0.79	C
345	CR 846	Immokalee Rd	Logan Boulevard	Collier Boulevard	Minor Arterial Urban	1.94	Collier	45	6D	E	656			35,295	2,020	59,900	3,020	0.67	C
346	CR 846	Immokalee Rd	Collier Boulevard	Wilson Boulevard	Minor Arterial Urban/Minor Arterial Rural	5.10	Collier	50	6D	E	674			29,259	1,770	53,500	2,740	0.65	C
347	CR 846	Immokalee Rd	Wilson Boulevard	Oil Well Road	Minor Arterial Rural	1.61	Collier	45	6D	E	675			32,999	2,020	53,500	2,740	0.74	C
348	CR 846	Immokalee Rd	Oil Well Road	Stockade Rd	Minor Arterial Rural/Minor Arterial Urban	17.74	Collier	45	2U	D	672			6,949	410	14,300	740	0.55	C
349		Immokalee Rd	Stockade Rd	SR 29	Minor Arterial Urban	1.52	Collier	35	2U	D	672			6,949	410	13,320	675	0.61	D
350		Immokalee Drive	N 29th St	Charlotte St	Major Collector Urban	1.97	Collier	30	2U	D			34902	6,200	307	13,320	675	0.45	C
360	CR 890	Lake Trafford Rd	Pepper Rd	Carson Rd	Major Collector Urban	1.87	Collier	45	2U	D			34174	7,900	391	15,930	792	0.49	C
361		Lake Trafford Rd	Carson Rd	SR 29	Major Collector Urban	1.00	Collier	45	2U	D	609			8,650	500	15,930	792	0.63	C
370		Lely Cultural Parkway	Grand Lely Dr	Collier Blvd	Minor Collector (Fed Aid) Urban	1.03	Collier	35	4D	D			30056	3,000	149	29,160	1,467	0.10	C
380	CR 881	Livingston Road	Radio Road	Golden Gate Parkway	Minor Arterial Urban	1.41	Collier	45	6D	E	687			26,418	1,330	59,900	3,020	0.44	C
381	CR 881	Livingston Road	Golden Gate Parkway	Pine Ridge Road	Minor Arterial Urban	2.59	Collier	45	6D	E	690			28,828	1,530	59,900	3,020	0.51	C
382	CR 881	Livingston Road	Pine Ridge Road	Vanderbilt Beach Road	Minor Arterial Urban	2.22	Collier	45	6D	E	575			25,819	1,490	59,900	3,020	0.49	C
383	CR 881	Livingston Road	Vanderbilt Beach Road	Immokalee Road	Minor Arterial Urban	1.99	Collier	45	6D	E	576			27,194	1,640	59,900	3,020	0.54	C
384	CR 881	Livingston Road	Immokalee Road	Imperial Street	Minor Arterial Urban	3.24	Collier	45	6D	D	673			23,789	1,260	59,900	3,020	0.42	C
390		Logan Boulevard	Green Boulevard	Pine Ridge Road	Major Collector Urban	0.89	Collier	45	4D	D	588			30,740	1,610	35,820	1,800	0.89	C
391		Logan Boulevard	Pine Ridge Road	Vanderbilt Beach Road	Major Collector Urban	2.20	Collier	45	2U	D	587			13,193	670	15,930	792	0.85	C
392		Logan Boulevard	Vanderbilt Beach Road	Immokalee Rd	Minor Collector (Fed Aid) Urban	2.02	Collier	45	2U	D	644			9,813	570	15,930	792	0.72	C
393		Logan Boulevard	Immokalee Rd	Azalea Dr	Future Designation	2.31	Collier	35	2U	D				0	0	24,200	1,190	0.00	-
394		Logan Boulevard	Azalea Dr	Lee County Line	Future Designation	1.46	Collier	25	2D	D				0	0	25,410	1,250	0.00	-
410		N 1st St	SR-29 (Main Street)	Immokalee Dr	Major Collector Urban	0.51	Collier	30	2U	D	590			10,077	630	13,320	675	0.93	D
430		Napa Boulevard	Pine Ridge Rd	Vanderbilt Beach Rd	Major Collector Urban	2.48	Collier	35	4D	D			34124	5,100	252	29,160	1,467	0.17	C
440		Naples Boulevard	Pine Ridge Rd	Airport Rd	Major Collector Urban	0.87	Collier	35	4D	D			34901	12,400	614	29,160	1,467	0.42	C
450		New Market Road	SR 29	Charlotte St	Major Collector Urban	0.72	Collier	35	2U	D	612			10,368	590	13,320	675	0.87	D
451		New Market Road	Charlotte St	N 15th St/ SR 29	Major Collector Urban	1.51	Collier	40	2U	D			34176	11,700	579	15,930	792	0.73	C
470		Oaks Boulevard	Vanderbilt Beach Rd	Immokalee Rd	Minor Collector (Fed Aid) Urban	1.99	Collier	35	2U	D			34125	7,500	371	13,320	675	0.55	D
480	CR 858	Oil Well Road	Immokalee Road	Everglades Boulevard	Minor Arterial Urban	3.09	Collier	45	4D	D	7255			14,493	850	31,950	1,638	0.52	C
481	CR 858	Oil Well Road	Everglades Boulevard	Desoto Boulevard	Minor Arterial Rural	1.84	Collier	45	2U	D	694			6,636	350	14,580	720	0.49	C
482	CR 858	Oil Well Road	DeSoto Boulevard	Oil Well Grade	Minor Arterial Rural	2.08	Collier	45	2U	D	694			6,636	350	14,580	720	0.49	C
483	CR 858	Oil Well Road	Oil Well Grade	Ave Maria Blvd	Minor Arterial Rural	3.13	Collier	50	4D	D	694			6,636	350	27,360	1,422	0.25	C
484	CR 858	Oil Well Road	Ave Maria Blvd	SR 29	Minor Arterial Rural	5.73	Collier	55	2U	D	694			6,636	350	14,300	740	0.47	C
490	CR 887	Old US 41	US 41 (Tamiami Trail)	Lee County Line	Major Collector Urban	1.55	Collier	45	2U	D	547			15,493	1,070	15,930	792	1.35	F
500		Orange Blossom Drive	Goodlette-Frank Road	Airport Road	Major Collector Urban	1.36	Collier	30	2D	D	647			7,427	400	13,986	709	0.56	D
501		Orange Blossom Drive	Airport Road	Livingston Road	Major Collector Urban	1.01	Collier	30	2U	D	647			7,427	400	13,320	675	0.59	D
520	CR 896	Pine Ridge Road	US 41 (Tamiami Trail)	Goodlette-Frank Road	Minor Arterial Urban	0.51	Collier	35	6D	E	512			32,195	1,990	50,900	2,560	0.78	D
521	CR 896	Pine Ridge Road	Goodlette-Frank Road	Shirley Street	Minor Arterial Urban	0.67	Collier	40	6D	E	514			36,418	1,980	59,900	3,020	0.66	C
522	CR 896	Pine Ridge Road	Shirley Street	Airport Road	Minor Arterial Urban	0.81	Collier	40	6D	E	515			44,227	2,470	59,900	3,020	0.82	C
523	CR 896	Pine Ridge Road	Airport Road	Livingston Road	Minor Arterial Urban	1.05	Collier	45	6D	E	526			46,031	2,610	59,900	3,020	0.86	C
524	CR 896	Pine Ridge Road	Livingston Road	I-75	Minor Arterial Urban	0.95	Collier	45	6D	E	628			52,322	3,030	59,900	3,020	1.00	F
525	CR 896	Pine Ridge Road	I-75	Logan Boulevard	Minor Arterial Urban	1.13	Collier	45	6D	E	600			33,374	2,190	59,900	3,020	0.73	C
526	CR 896	Pine Ridge Road	Logan Boulevard	Collier Boulevard	Minor Arterial Urban	1.89	Collier	55	4D	D	535			19,917	1,340	35,820	1,800	0.74	C
530	CR 856	Radio Road	Airport Road	Livingston Road	Minor Arterial Urban	1.00	Collier	45	4D	D	544			21,441	1,180	35,820	1,800	0.66	C
531	CR 856	Radio Road	Livingston Road	Santa Barbara Boulevard	Minor Arterial Urban	1.99	Collier	45	4D	D	527			18,398	1,170	35,820	1,800	0.65	C
532	CR 856	Radio Road	Santa Barbara Boulevard	Davis Boulevard	Minor Arterial Urban	1.45	Collier	45	4D	D	685			12,814	640	35,820	1,800	0.36	C
540		Randall Blvd	Immokalee Road	8th St NE	Minor Collector (Fed Aid) Urban	0.53	Collier	45	2U	D	651			13,492	820	14,580	720	1.14	F
541		Randall Blvd	8th St NE	Everglades Blvd	Minor Collector (Fed Aid) Urban	2.88	Collier	45	2U	D	651			13,492	820	14,580	720	1.14	F
542		Randall Blvd	Everglades Blvd	DeSoto Blvd	Local	1.84	Collier	45	2U	D	Manual			N/A	639	14,580	720	0.89	C
550	CR 864	Rattlesnake Hammock Road	US 41 (Tamiami Trail)	Charlemagne Boulevard	Minor Arterial Urban	0.80	Collier	45	4D	D	516			18,556	1,030	35,820	1,800	0.57	C
551	CR 864	Rattlesnake Hammock Road	Charlemagne Boulevard	County Barn Road	Minor Arterial Urban	0.40	Collier	45	4D	D	517			16,639	830	35,820	1,800	0.46	C
552	CR 864	Rattlesnake Hammock Road	County Barn Road	Santa Barbara Boulevard	Minor Arterial Urban	0.75	Collier	45	4D	D	534			15,195	760	35,820	1,800	0.42	C

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MPO ID	Road Number	On Street	From Street	To Street	Functional Class	Length (miles)	Jurisdiction	Posted Speed	2018 Number of Lanes	LOS Standard (1)	Collier Count Station ID	Naples Count Station ID	FDOT Count Station	2018 AADT (4)	Pk Hr. Pk Dir. Volume (4)	Daily Service Volume	Pk Hr. Pk Dir. Service Volume	Pk Hr. Pk Dir. V/SV Ratio (2)	LOS (3)
553	CR 864	Rattlesnake Hammock Road	Santa Barbara Boulevard	Collier Boulevard	Minor Arterial Urban	1.91	Collier	45	6D	E	518			10,747	530	59,900	3,020	0.18	C
580		San Marco Rd	Vintage Bay Dr	US 41 (Tamiami Trail)	Minor Arterial Rural	7.99	Collier	55	2U	D			30048	3,900	204	14,300	740	0.28	B
590		Santa Barbara Boulevard	Rattlesnake-Hammock Road	Davis Boulevard	Major Collector Urban	2.05	Collier	45	6D	E	702			18,946	950	59,900	3,020	0.31	C
591		Santa Barbara Boulevard	Davis Boulevard	Radio Road	Major Collector Urban	1.06	Collier	45	6D	E	537			28,552	1,450	59,900	3,020	0.48	C
592		Santa Barbara Boulevard	Radio Road	Golden Gate Parkway	Major Collector Urban	1.39	Collier	45	6D	E	528			38,655	1,880	59,900	3,020	0.62	C
593		Santa Barbara Boulevard	Golden Gate Parkway	Green Boulevard	Major Collector Urban	1.71	Collier	45	4D	D	529			20,314	1,240	35,820	1,800	0.69	C
600	CR896	Seagate Drive	Crayton Road	US 41 (Tamiami Trail)	Major Collector Urban	0.49	Collier	30	4D	D	511			18,130	1,060	29,160	1,467	0.72	D
610		Shadowlawn Dr	US 41	Davis Blvd	Local	0.59	Collier	25	2U	D	523			4,526	230	13,320	675	0.34	C
700		Thomasson Drive	Bayshore Drive	US 41 (Tamiami Trail)	Major Collector Urban	1.27	Collier	45	2U	D	698			10,020	510	15,930	792	0.64	C
710	CR 862	Vanderbilt Beach Road	Gulfshore Drive	US 41 (Tamiami Trail)	Major Collector Urban	1.00	Collier	35	2U	E	524			18,038	990	14,040	720	1.38	F
711	CR 862	Vanderbilt Beach Road	US 41 (Tamiami Trail)	Goodlette-Frank Road	Major Collector Urban	0.93	Collier	45	4D	D	646			28,549	1,410	35,820	1,800	0.78	C
712	CR 862	Vanderbilt Beach Road	Goodlette-Frank Road	Airport Road	Major Collector Urban	1.20	Collier	45	6D	D	666			33,734	1,750	59,900	3,020	0.58	C
713	CR 862	Vanderbilt Beach Road	Airport Road	Livingston Road	Major Collector Urban	1.01	Collier	45	6D	E	579			30,445	1,960	59,900	3,020	0.65	C
714	CR 862	Vanderbilt Beach Road	Livingston Road	Logan Blvd	Major Collector Urban	2.15	Collier	45	6D	E	668			31,680	2,070	59,900	3,020	0.69	C
715	CR 862	Vanderbilt Beach Road	Logan Blvd	Collier Blvd	Major Collector Urban	1.88	Collier	55	6D	E	580			26,212	1,690	59,900	3,020	0.56	C
720		Vanderbilt Beach Road Extension	Collier Blvd	Wilson Blvd	Future Designation	5.04	Collier		2U	D				0	0	23,100	1,200	0.00	-
721		Vanderbilt Beach Road Extension	Wilson Blvd	8th St NE	Future Designation	1.01	Collier		00	D				0	0	0	0	0.00	-
722		Vanderbilt Beach Road Extension	8th St NE	16th St NE	Future Designation	1.01	Collier		00	D				0	0	0	0	0.00	-
723		Vanderbilt Beach Road Extension	16th St NE	Everglades Blvd	Future Designation	1.84	Collier		00	D				0	0	0	0	0.00	-
730	CR 901	Vanderbilt Drive	Vanderbilt Beach Rd	111th Avenue	Major Collector Urban	1.34	Collier	25	2U	D			34112	4,800	238	13,320	675	0.35	C
731	CR 901	Vanderbilt Drive	111th Avenue	Wiggins Pass Road	Major Collector Urban	1.49	Collier	45	2U	D	578			N/A	449	15,930	792	0.57	C
732	CR 901	Vanderbilt Drive	Wiggins Pass Road	Bonita Beach Road	Major Collector Urban	2.52	Collier	45	2U	D	548			N/A	449	15,930	792	0.57	C
735		Veterans Memorial Blvd	Old US 41	Livingston Road	Future Designation	2.26	Collier		00	D				0	0	0	0	0.00	-
740		Westclox St/New Market Rd W	Carson Road	SR 29	Major Collector Urban	1.09	Collier	45	2U	D	611			3,632	210	15,930	792	0.27	C
750		White Blvd/23rd/13th St SW/16th	Collier Blvd	Golden Gate Blvd W	Major Collector Urban	6.28	Collier	45	2U	D				0	0	24,200	1,190	0.00	-
760	CR 888	Wiggins Pass Road	Vanderbilt Drive	US 41 (Tamiami Trail)	Major Collector Urban	0.00	Collier	45	2U	D	669			N/A	439	15,930	792	0.55	C
770		Wilson Blvd	Golden Gate Boulevard	Immokalee Road	Major Collector Urban	3.22	Collier	45	2U	D	650			7,131	340	15,930	792	0.43	C
100		Capri Boulevard	Antigua St	Collier Blvd	Major Collector Urban	1.49	Marco	45	2U	D			34148	4,000	198	15,930	792	0.25	C
420		N Barfield Drive	San Marco Rd	Bald Eagle Dr	Major Collector Urban	3.03	Marco	30	2U	D			34622	8,600	426	13,320	675	0.63	D
460		North Collier Boulevard	San Marco Rd	N Barfield Dr	Major Collector Urban	2.16	Marco	35	4D	C			30189	18,900	936	13,050	657	1.42	D
461	SR-951	North Collier Boulevard	N Barfield Dr	Jolley West Bridge	Minor Arterial Urban	0.45	Marco	35	4D	C			30189	18,900	936	13,050	657	1.42	D
560	CR 953	S Heathwood Dr / Bald Eagle Drive	San Marco Rd	Palm St	Major Collector Urban	2.63	Marco	45	2U	D			34144	14,200	703	15,930	792	0.89	C
570		San Marco Drive	N Collier Blvd	Barfield Dr	Major Collector Urban	2.03	Marco	35	2U	D			34131	10,200	505	13,320	675	0.75	D
571		San Marco Drive	Barfield Dr	Vintage Bay Dr	Minor Arterial Urban	1.43	Marco	35	2U	D			30048	3,900	193	13,320	675	0.29	C
620		South Barfield Drive	Winterberry Dr	San Marco Rd	Major Collector Urban	0.58	Marco	30	4D	D			34127	7,500	371	29,160	1,467	0.25	C
630		South Collier Boulevard	Winterberry Dr	San Marco Rd	Major Collector Urban	1.09	Marco	30	4D	D			34100	10,000	495	29,160	1,467	0.34	C
780		Winterberry Drive	S Collier Blvd	S Barfield Dr	Major Collector Urban	1.67	Marco	30	2U	D			34712	5,200	257	13,320	675	0.38	C
30		5th Avenue S	Gulf Shore Blvd S	US 41	Minor Collector (Fed Aid) Urban	0.70	Naples	25	2U	E		70	34103	10,071	793	14,040	720	1.10	F
60		Banyan Boulevard	Gulf Shore Blvd N	US 41	Minor Collector (Fed Aid) Urban	0.72	Naples	30	2D	C		49	34101	3,631	357	17,850	882	0.40	B
210		Crayton Road	Banyan Blvd	Harbour Dr	Minor Collector (Fed Aid) Urban	1.33	Naples	30	2U	C		40		7,508	688	6,570	333	2.07	E
211		Crayton Road	Harbour Dr	Seagate Dr	Minor Collector (Fed Aid) Urban	2.10	Naples	30	2U	C		40		7,508	688	6,570	333	2.07	E
300		Gulf Shore Boulevard S	Broad Ave S	5th Ave S	Minor Collector (Fed Aid) Urban	0.53	Naples	30	2U	C		85		5,248	593	6,570	333	1.78	D
301		Gulf Shore Boulevard S	5th Ave S	Banyan Blvd	Minor Collector (Fed Aid) Urban	1.50	Naples	30	2U	C		48		6,847	655	6,570	333	1.97	D
302		Gulf Shore Boulevard N	Banyan Blvd	US 41 (Tamiami Trail)	Minor Collector (Fed Aid) Urban	0.71	Naples	30	2D	C		39		7,172	650	6,899	350	1.86	D
303		Gulf Shore Boulevard N	South Of Via Miramar	Villa Mar Ln	Minor Collector (Fed Aid) Urban	2.05	Naples	30	2D	C		34		5,449	516	6,899	350	1.48	D
320		Harbour Drive	Gulf Shore Blvd N	US 41 (Tamiami Trail)	Minor Collector (Fed Aid) Urban	0.86	Naples	30	2U	C		37		5,045	473	6,570	333	1.42	D
400		Mooring Lane Drive	2170 Beacon House	US 41 (Tamiami Trail)	Minor Collector (Fed Aid) Urban	0.81	Naples	30	2D	C		39		7,172	650	17,850	882	0.74	C
510		Park Shore Drive	Gulf Shore Blvd N	US 41	Major Collector Urban	0.88	Naples	30	2U	C		30		16,186	1,449	6,570	333	4.35	F
130	SR 951	Collier Boulevard	Marco Island Bridge	CR 952 (Capri Blvd)	Minor Arterial Urban	1.24	State	55	4D	D	627		30157	29,705	1,770	39,800	2,000	0.89	C
131	SR 951	Collier Boulevard	CR 952 (Capri Blvd)	Mainsail Drive	Minor Arterial Urban	1.02	State	55	4D	D	627		30157	29,705	1,770	39,800	2,000	0.89	C
132	SR 951	Collier Boulevard	Mainsail Drive	Manatee Road	Minor Arterial Urban	3.45	State	55	4D	D	627		30157	29,705	1,770	39,800	2,000	0.89	C
133	SR 951	Collier Boulevard	Manatee Road	Henderson Creek Dr	Minor Arterial Urban	0.43	State	45	4D	D	557		30157	27,864	1,530	39,800	2,000	0.77	C
134	SR 951	Collier Boulevard	Henderson Creek Dr	Wal-Mart Driveway	Minor Arterial Urban	0.36	State	45	4D	D	557		30157	27,864	1,530	39,800	2,000	0.77	C

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MPO ID	Road Number	On Street	From Street	To Street	Functional Class	Length (miles)	Jurisdiction	Posted Speed	2018 Number of Lanes	LOS Standard (1)	Collier Count Station ID	Naples Count Station ID	FDOT Count Station	2018 AADT (4)	Pk Hr. Pk Dir. Volume (4)	Daily Service Volume	Pk Hr. Pk Dir. Service Volume	Pk Hr. Pk Dir. V/SV Ratio (2)	LOS (3)
135	SR 951	Collier Boulevard	Wal-Mart Driveway	US 41 (Tamiami Trail)	Minor Arterial Urban	0.29	State	45	6D	E	557		30157	27,864	1,530	59,900	3,020	0.51	C
220	SR 84	Davis Boulevard	US 41 (Tamiami Trail)	Airport Road	Minor Arterial Urban	1.01	State	45	6D	E	558		30178	27,877	1,610	59,900	3,020	0.53	C
221	SR 84	Davis Boulevard	Airport Road	Lakewood Boulevard	Minor Arterial Urban	0.55	State	45	4D	D	559		30176	26,703	1,580	39,800	2,000	0.79	C
222	SR 84	Davis Boulevard	Lakewood Boulevard	County Barn Road	Minor Arterial Urban	1.68	State	45	4D	D	658		30176	28,243	1,670	39,800	2,000	0.84	C
223	SR 84	Davis Boulevard	County Barn Road	Santa Barbara Blvd	Minor Arterial Urban	0.76	State	50	4D	D	538		30195	24,881	1,460	39,800	2,000	0.73	C
224	SR 84	Davis Boulevard	Santa Barbara Blvd	Radio Road	Minor Arterial Urban	1.75	State	50	6D	E	560		30170	13,354	740	59,900	3,020	0.25	C
225	SR 84	Davis Boulevard	Radio Road	Collier Boulevard	Minor Arterial Urban	0.70	State	45	6D	E	601		30193	23,176	1,120	59,900	3,020	0.37	C
330	I-75	I-75	Broward County Line	SR 29	Principal Arterial-Interstate Rural	29.13	State	70	4F	C			30173	22,000	1,282	43,000	2,500	0.51	B
331	I-75	I-75	SR 29	SR 951	Principal Arterial-Interstate Rural	21.23	State	70	4F	C			30351	24,970	1,455	43,000	2,500	0.58	B
332	I-75	I-75	SR 951	Golden Gate Pkwy	Principal Arterial-Interstate Urban	3.34	State	70	6F	D			32000	41,500	2,043	111,800	5,500	0.37	B
333	I-75	I-75	Golden Gate Pkwy	Pine Ridge Rd	Principal Arterial-Interstate Urban	2.58	State	70	6F	D			32003	76,500	3,766	111,800	5,500	0.68	C
334	I-75	I-75	Pine Ridge Rd	Immokalee Rd	Principal Arterial-Interstate Urban	4.27	State	70	6F	D			30191	89,362	4,399	111,800	5,500	0.80	C
335	I-75	I-75	Immokalee Rd	Lee County Line	Principal Arterial-Interstate Urban	3.06	State	70	6F	D			39950	99,582	4,902	111,800	5,500	0.89	D
640	SR 29	SR 29	US 41 (Tamiami Trail)	CR 837 (Janes Scenic Dr)	Principal Arterial-Other Rural	2.50	State	55	2U	D			30006	1,650	86	14,300	740	0.12	B
641	SR 29	SR 29	CR 837 (Janes Scenic Dr)	Wagon Wheel Rd	Principal Arterial-Other Rural	1.35	State	60	2U	D			30006	1,650	86	14,300	740	0.12	B
642	SR 29	SR 29	Wagon Wheel Rd	I-75	Principal Arterial-Other Rural	13.14	State	60	2U	D			30031	1,350	71	14,300	740	0.10	B
643	SR 29	SR 29	I-75	Oil Well Road	Principal Arterial-Other Rural	10.24	State	60	2U	D			30182	3,100	162	14,300	740	0.22	B
644	SR 29	SR 29	Oil Well Road	Agriculture Way	Principal Arterial-Other Rural	7.89	State	60	2U	D			30205	7,400	387	14,300	740	0.52	C
645	SR 29	SR 29	Agriculture Way	New Harvest Rd	Principal Arterial-Other Rural	1.15	State	45	2U	D			30205	7,400	387	14,200	740	0.52	C
646	SR 29	SR 29	New Harvest Rd	CR 29A South	Principal Arterial-Other Rural	0.66	State	45	2U	D			30002	8,700	455	14,200	740	0.61	C
647	SR 29	SR 29	CR 29A South	1st St	Principal Arterial-Other Urban	0.41	State	35	4D	D	664		30002	11,796	620	32,400	1,630	0.38	C
648	SR 29	SR 29	1st St	9th Street	Principal Arterial-Other Urban	0.50	State	35	4D	D	664		30029	11,796	620	32,400	1,630	0.38	C
649	SR 29	SR 29	9th Street	Immokalee Dr	Principal Arterial-Other Urban	0.87	State	45	2U	D	663		30029	12,295	630	17,700	880	0.72	C
650	SR 29	SR 29	Immokalee Dr	CR 29A North	Principal Arterial-Other Urban	1.18	State	45	2U	D	663		30038	12,295	630	17,700	880	0.72	C
651	SR 29	SR 29	CR 29A North	SR 82	Principal Arterial-Other Rural	2.95	State	60	2U	D	663		30143	12,295	630	23,100	1,200	0.53	C
652	SR 29	SR 29	SR 82	Hendry County Line	Principal Arterial-Other Rural	2.06	State	60	2U	D			30184	5,900	308	14,300	740	0.42	C
660	SR 82	SR 82	Lee County Line	Corkscrew Rd	Principal Arterial-Other Rural	1.70	State	60	2U	D			30183	12,800	669	14,300	740	0.90	D
661	SR 82	SR 82	Corkscrew Rd	SR 29	Principal Arterial-Other Rural	5.36	State	60	2U	D			30200	13,300	695	14,300	740	0.94	D
670	US 41	Tamiami Trail East	Davis Boulevard	Airport Road	Principal Arterial-Other Urban	1.26	State	45	6D	E	545		35001	33,733	1,920	59,900	3,020	0.64	C
671	US 41	Tamiami Trail East	Airport Road	Rattlesnake Hammock Road	Principal Arterial-Other Urban	1.69	State	45	6D	E	604		30094	47,814	2,460	59,900	3,020	0.81	C
672	US 41	Tamiami Trail East	Rattlesnake Hammock Road	Treetops Dr	Principal Arterial-Other Urban	2.45	State	55	6D	E	572		30015	37,428	1,940	59,900	3,020	0.64	C
673	US 41	Tamiami Trail East	Treetops Dr	Triangle Boulevard	Principal Arterial-Other Urban	1.69	State	55	6D	E	572		30014	37,428	1,940	59,900	3,020	0.64	C
674	US 41	Tamiami Trail East	Triangle Boulevard	Collier Boulevard	Principal Arterial-Other Urban	0.30	State	45	6D	E	571		30014	34,767	1,700	59,900	3,020	0.56	C
675	US 41	Tamiami Trail East	Collier Boulevard	Imperial Wilderness Blvd	Principal Arterial-Other Urban	2.64	State	60	6D	D	608		30194	20,506	990	59,900	3,020	0.33	C
676	US 41	Tamiami Trail East	Imperial Wilderness Blvd	Joseph Lane	Principal Arterial-Other Urban	0.27	State	60	6D	D	608		30005	20,506	990	59,900	3,020	0.33	C

Collier MPO Congestion Management Process Network										2018 Level of Service Conditions - March 2020									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
MPO ID	Road Number	On Street	From Street	To Street	Functional Class	Length (miles)	Jurisdiction	Posted Speed	2018 Number of Lanes	LOS Standard (1)	Collier Count Station ID	Naples Count Station ID	FDOT Count Station	2018 AADT (4)	Pk Hr. Pk Dir. Volume (4)	Daily Service Volume	Pk Hr. Pk Dir. Service Volume	Pk Hr. Pk Dir. V/SV Ratio (2)	LOS (3)
677	US 41	Tamiami Trail East	Joseph Lane	Greenway Road	Principal Arterial-Other Rural	0.48	State	60	4D	D	608		30005	20,506	990	39,800	2,000	0.50	C
678	US 41	Tamiami Trail East	Greenway Road	Royal Hammock Blvd	Principal Arterial-Other Rural	2.33	State	60	2U	D	608		30005	20,506	990	24,400	1,200	0.83	D
679	US 41	Tamiami Trail East	Royal Hammock Blvd	San Marco Drive	Principal Arterial-Other Rural	2.43	State	60	2U	D	608		30005	20,506	990	14,300	740	1.34	E
680	US 41	Tamiami Trail East	San Marco Drive	Brewski Canal (Port of The Islands)	Principal Arterial-Other Rural	5.83	State	60	2U	D			30111	3,300	172	14,300	740	0.23	B
681	US 41	Tamiami Trail East	Brewski Canal (Port of The Islands)	SR 29	Principal Arterial-Other Rural	9.91	State	60	2U	D			30111	3,300	172	14,300	740	0.23	B
682	US 41	Tamiami Trail East	SR 29	Turner River Rd	Principal Arterial-Other Rural	6.68	State	60	2U	D			30104	2,800	146	14,300	740	0.20	B
683	US 41	Tamiami Trail East	Turner River Rd	Loop Rd	Principal Arterial-Other Rural	10.30	State	60	2U	D			30270	2,875	150	14,300	740	0.20	B
684	US 41	Tamiami Trail East	Loop Rd	Dade County Line	Principal Arterial-Other Rural	15.33	State	60	2U	D			30011	2,200	115	14,300	740	0.16	B
690	US 41	Tamiami Trail North	SR 84 (Davis Blvd)	CR 851 (Goodlette Rd South)	Principal Arterial-Other Urban	0.55	State	35	8D	E			30124	51,500	2,596	68,100	3,420	0.76	D
691	US 41	Tamiami Trail North	CR 851 (Goodlette Rd South)	12th Ave	Principal Arterial-Other Urban	1.66	State	30	6D	E			35007	34,500	1,739	50,900	2,560	0.68	D
692	US 41	Tamiami Trail North	12th Ave	Park Shore Dr / Cypress Woods Dr	Principal Arterial-Other Urban	2.12	State	45	6D	E			35011	38,000	1,915	59,900	3,020	0.63	C
693	US 41	Tamiami Trail North	Park Shore Dr / Cypress Woods Dr	Pine Ridge Rd / Seagate Dr	Principal Arterial-Other Urban	1.28	State	45	6D	E			30003	38,000	1,915	59,900	3,020	0.63	C
694	US 41	Tamiami Trail North	Pine Ridge Rd / Seagate Dr	Gulf Park Drive	Principal Arterial-Other Urban	1.43	State	45	6D	E	562		30012	37,106	2,010	59,900	3,020	0.67	C
695	US 41	Tamiami Trail North	Gulf Park Drive	Vanderbilt Beach Road	Principal Arterial-Other Urban	1.27	State	55	6D	E	563		30017	48,600	2,460	59,900	3,020	0.81	C
696	US 41	Tamiami Trail North	Vanderbilt Beach Road	Immokalee Road	Principal Arterial-Other Urban	1.51	State	50	6D	E	577		30192	35,925	1,920	59,900	3,020	0.64	C
697	US 41	Tamiami Trail North	Immokalee Road	Wiggins Pass Road	Principal Arterial-Other Urban	1.52	State	55	6D	E	564		30018	47,432	3,000	59,900	3,020	0.99	D
698	US 41	Tamiami Trail North	Wiggins Pass Road	Old US 41	Principal Arterial-Other Urban	0.23	State	55	6D	E	546		30018	40,432	2,250	59,900	3,020	0.75	C
699	US 41	Tamiami Trail North	Old US 41	Lee County Line	Principal Arterial-Other Urban	1.30	State	55	6D	E	546		30179	40,432	2,250	59,900	3,020	0.75	C

Notes:

(1) based on local agency comprehensive plans

(2) Pk Hr. Pk Dir. V/SV Ratio based on the Pk Hr. Pk Dir. Volume / Pk Hr. Pk Dir. Service Volume. 0.9 - 1.0 Yellow; 1.0 - 1.2 Orange; > 1.2 Red

(3) LOS Letter grade based on Pk Hr. Pk Dir. Volume and FDOT Generalize Capacity Thresholds for arterial and collector roadways

(4) assignment of volumes from count stations sources following the color pattern listed below.

Collier County
FDOT
Naples

Collier MPO Congestion Management Process Network				2023 Existing + Committed Level of Service Conditions - March 2020															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
MPO ID	Road Number	On Street	From Street	To Street	Functional Class	Length (miles)	Jurisdiction	Posted Speed	2023 E+C Number of Lanes	LOS Standard (1)	Collier Count Station ID	Naples Count Station ID	FDOT Count Station	2023 E+C AADT (4)	Pk Hr. Pk Dir. Volume (4)	Daily Service Volume	Pk Hr. Pk Dir. Service Volume	Pk Hr. V/SV Ratio (2)	LOS (3)
10	CR 846	111th Avenue N.	Gulfshore Drive	Vanderbilt Drive	Major Collector Urban	0.51	Collier	45	2U	D	585			N/A	357	15,930	792	0.45	C
11	CR 846	111th Avenue N.	Vanderbilt Drive	US 41 (Tamiami Trail)	Major Collector Urban	1.00	Collier	35	2U	D	613			N/A	534	13,320	675	0.79	D
20		47th Avenue NE	20th St NE	Golden Gate Main Canal	Major Collector Urban	0.37	Collier	30	2U	D			30201	331	17	12,780	666	0.02	C
21		47th Avenue NE	Golden Gate Main Canal	Everglades Blvd N	Major Collector Rural	1.03	Collier	30	2U	D			30201	331	17	12,780	666	0.02	C
40	CR 31	Airport Road	US 41 (Tamiami Trail)	Davis Boulevard	Minor Arterial Urban	0.80	Collier	45	6D	E	552			36,385	1,822	59,900	3,020	0.60	C
41	CR 31	Airport Road	Davis Boulevard	North Rd	Minor Arterial Urban	0.52	Collier	45	6D	E	553			50,183	2,570	59,900	3,020	0.85	C
42	CR 31	Airport Road	North Rd	Radio Road	Minor Arterial Urban	0.50	Collier	45	6D	E	553			50,183	2,570	59,900	3,020	0.85	C
43	CR 31	Airport Road	Radio Road	Golden Gate Parkway	Minor Arterial Urban	1.43	Collier	45	6D	E	533			53,542	2,810	59,900	3,020	0.93	C
44	CR 31	Airport Road	Golden Gate Parkway	Pine Ridge Road	Minor Arterial Urban	2.59	Collier	45	6D	E	502			51,402	2,573	59,900	3,020	0.85	C
45	CR 31	Airport Road	Pine Ridge Road	Orange Blossom Drive	Minor Arterial Urban	1.45	Collier	45	6D	E	503			38,296	1,954	59,900	3,020	0.65	C
46	CR 31	Airport Road	Orange Blossom Drive	Vanderbilt Beach Road	Minor Arterial Urban	0.76	Collier	45	6D	E	599			35,056	1,998	59,900	3,020	0.66	C
47	CR 31	Airport Road	Vanderbilt Beach Road	Immokalee Rd	Minor Arterial Urban	1.98	Collier	45	6D	E	554			25,063	1,347	59,900	3,020	0.45	C
50		Ave Maria Boulevard / Pope John Paul II	Oil Well Rd	Camp Keais Rd	Minor Collector Rural	4.39	Collier	45	4D	D			34157	2,677	137	27,360	1,422	0.10	C
70		Bayshore Drive	Thomasson Drive	US 41 (Tamiami Trail)	Major Collector Urban	1.43	Collier	35	4D	D	521			10,915	685	35,820	1,800	0.38	C
80	CR 865	Bonita Beach Road	Hickory Boulevard	West of Vanderbilt Drive	Minor Arterial Urban	1.53	Collier	45	4D	D	653			27,157	1,349	35,820	1,800	0.75	C
90		Camp Keais Road	Oil Well Rd	Immokalee Rd	Minor Collector Rural	5.68	Collier	55	2U	D	626A			5,599	316	23,100	1,200	0.26	B
110		Carson Road	Immokalee Dr	Lake Trafford Rd	Major Collector Urban	0.50	Collier	35	2U	D	610			6,411	364	13,320	675	0.54	D
111		Carson Road	Lake Trafford Rd	Westclox St	Major Collector Urban	0.50	Collier	25	2U	D			34118	5,544	275	13,320	675	0.41	C
120		Charlotte St	Immokalee Dr	New Market Rd E	Major Collector Urban	0.08	Collier	30	2U	D			34121	8,011	397	13,320	675	0.59	D
136	CR 951	Collier Boulevard	US 41 (Tamiami Trail)	Rattlesnake Hammock Road	Principal Arterial-Other Urban	3.41	Collier	55	6D	E	603		34657	37,115	2,098	59,900	3,020	0.69	C
137	CR 951	Collier Boulevard	Rattlesnake Hammock Road	Davis Boulevard	Principal Arterial-Other Urban	3.11	Collier	55	6D	E	602		34602	34,914	1,833	59,900	3,020	0.61	C
138	SR 951	Collier Boulevard	Davis Boulevard	I-75	Principal Arterial-Other Urban	0.38	Collier	45	8D	E	573		30190	57,640	3,268	80,100	4,040	0.81	C
139	CR 951	Collier Boulevard	I-75	Golden Gate Main Canal	Minor Arterial Urban	0.65	Collier	45	8D	E	607			26,084	1,513	80,100	4,040	0.37	C
140	CR 951	Collier Boulevard	Golden Gate Main Canal	Golden Gate Pwky	Minor Arterial Urban	1.01	Collier	45	4D	D	607			26,084	1,513	35,820	1,800	0.84	C
141	CR 951	Collier Boulevard	Golden Gate Pwky	Green Boulevard	Minor Arterial Urban	1.04	Collier	45	4D	D	525			30,109	1,656	35,820	1,800	0.92	C
142	CR 951	Collier Boulevard	Green Boulevard	Pine Ridge Road	Minor Arterial Urban	0.88	Collier	45	6D	D	536			32,649	1,965	59,900	3,020	0.65	C
143	CR 951	Collier Boulevard	Pine Ridge Road	Golden Gate Boulevard	Minor Arterial Urban	1.13	Collier	45	6D	D	536			32,649	1,965	59,900	3,020	0.65	C
144	CR 951	Collier Boulevard	Golden Gate Boulevard	Vanderbilt Beach Road	Minor Arterial Urban	1.03	Collier	30	6D	E	584			27,085	1,484	50,900	2,560	0.58	D
145	CR 951	Collier Boulevard	Vanderbilt Beach Road	Immokalee Road	Minor Arterial Urban	2.02	Collier	45	6D	E	655			35,850	2,138	59,900	3,020	0.71	C
150	CR 29	Copeland Avenue	Snook Aly	Broadway St	Major Collector Rural	3.74	Collier	45	2U	D			34185	1,532	76	12,780	666	0.11	C
160	CR-850	Corkscrew Rd	East of Corkscrew Lines Blvd	Wildcat Dr	Major Collector Rural	1.64	Collier	55	2U	D			34126	5,475	286	14,300	740	0.39	C
170		County Barn Road	Rattlesnake Hammock Road	Davis Boulevard	Major Collector Urban	2.05	Collier	45	2U	D	519			7,652	420	15,930	792	0.53	C
180	CR 29	CR 29	Copeland Ave	US 41 (Tamiami Trail)	Major Collector Rural	4.00	Collier	55	2U	D	582A			3,660	195	23,100	1,200	0.16	B
190		CR-846 E	SR 29/E Main St	1 Mile East of Tradeport Pkwy	Major Collector Urban	1.63	Collier	45	2U	D			34129	3,407	169	15,930	792	0.21	C
191		CR-846 E	1 Mile East of Tradeport Pkwy	Line Rd	Major Collector Rural	6.95	Collier	45	2U	D			34129	3,407	178	14,300	740	0.24	B
200		CR-850	Wildcat Dr	SR 82	Major Collector Rural	3.75	Collier	55	2U	D			34139	5,353	280	14,300	740	0.38	C
230		DeSoto Blvd	I-75	Golden Gate Blvd	Local	5.30	Collier	45	2U	D	639A			2,789	166	23,100	1,200	0.14	B
231		DeSoto Blvd	Golden Gate Blvd	Oil Well Rd	Local	4.31	Collier	45	2U	D	638A			2,506	121	23,100	1,200	0.10	B
240		Everglades Boulevard	I-75	Golden Gate Blvd	Minor Collector Rural	5.35	Collier	45	2U	D	637S			8,326	497	23,100	1,200	0.41	C
241		Everglades Boulevard	Golden Gate Blvd	Oil Well Road	Minor Collector Rural	4.33	Collier	45	2U	D	636S			6,809	342	12,780	666	0.51	C
242		Everglades Boulevard	Oil Well Road	Immokalee Road	Minor Collector Rural	5.00	Collier	45	2U	D	635S			8,340	497	23,100	1,200	0.41	C
250	CR 876	Golden Gate Boulevard	Collier Boulevard	Wilson Boulevard	Major Collector Urban	5.03	Collier	45	4D	D	531			28,133	1,888	35,820	1,800	1.05	F
251		Golden Gate Boulevard	Wilson Boulevard	18th Street NE/SE	Major Collector Urban	2.27	Collier	45	4D	D	652			23,949	1,514	35,820	1,800	0.84	C
252		Golden Gate Boulevard	18th Street NE/SE	Everglades Boulevard	Major Collector Urban	1.59	Collier	45	4D	D	652			23,949	1,514	35,820	1,800	0.84	C
253		Golden Gate Boulevard	Everglades Boulevard	DeSoto Boulevard	Major Collector Urban	1.84	Collier	45	2U	D	Manual			N/A	251	15,930	792	0.32	C
260	CR 886	Golden Gate Parkway	US 41 (Tamiami Trail)	Goodlette-Frank Road	Minor Arterial Urban	0.50	Collier	45	6D	E	530			22,247	1,358	59,900	3,020	0.45	C
261	CR 886	Golden Gate Parkway	Goodlette-Frank Road	Airport Road	Minor Arterial Urban	1.56	Collier	55	6D	E	507			54,376	3,235	59,900	3,020	1.07	F
262	CR 886	Golden Gate Parkway	Airport Road	Livingston Road	Minor Arterial Urban	0.99	Collier	45	6D	E	508			46,396	2,548	59,900	3,020	0.84	C
263	CR 886	Golden Gate Parkway	Livingston Road	I-75	Minor Arterial Urban	2.05	Collier	45	6D	E	691			54,404	3,321	59,900	3,020	1.10	F
264	CR 886	Golden Gate Parkway	I-75	Santa Barbara Boulevard	Minor Arterial Urban	0.97	Collier	45	6D	E	509			38,853	2,363	59,900	3,020	0.78	C
265	CR 886	Golden Gate Parkway	Santa Barbara Boulevard	Collier Boulevard	Minor Arterial Urban	2.21	Collier	35	4D	D	605			33,040	1,935	29,160	1,467	1.32	F
270	CR 851	Goodlette-Frank Road	US 41 (Tamiami Trail)	Golden Gate Parkway	Minor Arterial Urban	2.03	Collier	45	6D	E	504			47,831	2,842	59,900	3,020	0.94	C
271	CR 851	Goodlette-Frank Road	Golden Gate Parkway	Pine Ridge Road	Minor Arterial Urban	2.72	Collier	45	6D	E	505			41,242	2,451	59,900	3,020	0.81	C
272	CR 851	Goodlette-Frank Road	Pine Ridge Road	Orange Blossom Drive	Minor Arterial Urban	1.53	Collier	45	6D	E	581			34,477	2,039	59,900	3,020	0.68	C
273	CR 851	Goodlette-Frank Road	Orange Blossom Drive	Vanderbilt Beach Road	Minor Arterial Urban	0.89	Collier	45	4D	D	595			29,526	1,667	35,820	1,800	0.93	C
274	CR 851	Goodlette-Frank Road	Vanderbilt Beach Road	Immokalee Road	Minor Arterial Urban	1.80	Collier	45	2U	D	594			17,823	905	15,930	792	1.14	F
280		Grand Lely Drive	US 41 (Tamiami Trail)	Rattlesnake Hammock Rd	Major Collector Urban	3.05	Collier	35	2U	D			34900	8,760	433	13,320	675	0.64	D
281		Grand Lely Drive	Lely Resort Boulevard	Collier Blvd	Major Collector Urban	0.72	Collier	35	4D	D			30057	8,638	4				

Collier MPO Congestion Management Process Network				2023 Existing + Committed Level of Service Conditions - March 2020															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
MPO ID	Road Number	On Street	From Street	To Street	Functional Class	Length (miles)	Jurisdiction	Posted Speed	2023 E+C Number of Lanes	LOS Standard (1)	Collier Count Station ID	Naples Count Station ID	FDOT Count Station	2023 E+C AADT (4)	Pk Hr. Pk Dir. Volume (4)	Daily Service Volume	Pk Hr. Pk Dir. Service Volume	Pk Hr. Pk Dir. V/SV Ratio (2)	LOS (3)
310		Gulfshore Drive	Vanderbilt Beach Road	111th Avenue	Minor Collector (Fed Aid)	1.31	Collier	25	2U	D	583a			4,689	268	13,320	675	0.40	C
340	CR 846	Immokalee Rd	US 41 (Tamiami Trail)	Goodlette-Frank Rd	Minor Arterial Urban	0.73	Collier	45	6D	E	566			46,867	2,296	59,900	3,020	0.76	C
341	CR 846	Immokalee Rd	Goodlette-Frank Rd	Airport Road	Minor Arterial Urban	1.25	Collier	45	6D	E	625			56,762	3,200	59,900	3,020	1.06	F
342	CR 846	Immokalee Rd	Airport Road	Livingston Road	Minor Arterial Urban	0.98	Collier	45	6D	E	567			62,599	3,445	59,900	3,020	1.14	F
343	CR 846	Immokalee Rd	Livingston Road	I-75	Minor Arterial Urban	0.71	Collier	45	6D	E	679			59,643	3,283	59,900	3,020	1.09	F
344	CR 846	Immokalee Rd	I-75	Logan Boulevard	Minor Arterial Urban	1.37	Collier	45	6D	E	568			44,904	2,806	59,900	3,020	0.93	C
345	CR 846	Immokalee Rd	Logan Boulevard	Collier Boulevard	Minor Arterial Urban	1.94	Collier	45	6D	E	656			44,910	2,570	59,900	3,020	0.85	C
346	CR 846	Immokalee Rd	Collier Boulevard	Wilson Boulevard	Minor Arterial Urban/Minor Arterial Rural	5.10	Collier	50	6D	E	674			37,230	2,252	53,500	2,740	0.82	C
347	CR 846	Immokalee Rd	Wilson Boulevard	Oil Well Road	Minor Arterial Rural	1.61	Collier	45	6D	E	675			41,989	2,570	53,500	2,740	0.94	C
348	CR 846	Immokalee Rd	Oil Well Road	Stockade Rd	Minor Arterial Rural/Minor Arterial Urban	17.74	Collier	45	2U	D	672			8,842	522	14,300	740	0.70	D
349		Immokalee Rd	Stockade Rd	SR 29	Minor Arterial Urban	1.52	Collier	35	2U	D	672			8,842	522	13,320	675	0.77	D
350		Immokalee Drive	N 29th St	Charlotte St	Major Collector Urban	1.97	Collier	30	2U	D			34902	6,617	328	13,320	675	0.49	C
360	CR 890	Lake Trafford Rd	Pepper Rd	Carson Rd	Major Collector Urban	1.87	Collier	45	2U	D			34174	9,612	476	15,930	792	0.60	C
361		Lake Trafford Rd	Carson Rd	SR 29	Major Collector Urban	1.00	Collier	45	2U	D	609			9,550	552	15,930	792	0.70	C
370		Lely Cultural Parkway	Grand Lely Dr	Collier Blvd	Minor Collector (Fed Aid) Urban	1.03	Collier	35	4D	D			30056	3,575	178	29,160	1,467	0.12	C
380	CR 881	Livingston Road	Radio Road	Golden Gate Parkway	Minor Arterial Urban	1.41	Collier	45	6D	E	687			33,615	1,692	59,900	3,020	0.56	C
381	CR 881	Livingston Road	Golden Gate Parkway	Pine Ridge Road	Minor Arterial Urban	2.59	Collier	45	6D	E	690			36,681	1,947	59,900	3,020	0.64	C
382	CR 881	Livingston Road	Pine Ridge Road	Vanderbilt Beach Road	Minor Arterial Urban	2.22	Collier	45	6D	E	575			28,506	1,645	59,900	3,020	0.54	C
383	CR 881	Livingston Road	Vanderbilt Beach Road	Immokalee Road	Minor Arterial Urban	1.99	Collier	45	6D	E	576			30,024	1,811	59,900	3,020	0.60	C
384	CR 881	Livingston Road	Immokalee Road	Imperial Street	Minor Arterial Urban	3.24	Collier	45	6D	D	673			30,270	1,603	59,900	3,020	0.53	C
390		Logan Boulevard	Green Boulevard	Pine Ridge Road	Major Collector Urban	0.89	Collier	45	4D	D	588			35,277	1,848	35,820	1,800	1.03	F
391		Logan Boulevard	Pine Ridge Road	Vanderbilt Beach Road	Major Collector Urban	2.20	Collier	45	2U	D	587			16,051	815	15,930	792	1.03	F
392		Logan Boulevard	Vanderbilt Beach Road	Immokalee Rd	Minor Collector (Fed Aid) Urban	2.02	Collier	45	2U	D	644			10,834	629	15,930	792	0.79	C
393		Logan Boulevard	Immokalee Rd	Azalea Dr	Future Designation	2.31	Collier	35	2U	D	Estimate			10,000	523	24,200	1,190	0.44	C
394		Logan Boulevard	Azalea Dr	Lee County Line	Future Designation	1.46	Collier	25	2D	D	Estimate			10,000	523	25,410	1,250	0.42	C
410		N 1st St	SR-29 (Main Street)	Immokalee Dr	Major Collector Urban	0.51	Collier	30	2U	D	590			11,967	748	13,320	675	1.11	F
430		Napa Boulevard	Pine Ridge Rd	Vanderbilt Beach Rd	Major Collector Urban	2.48	Collier	35	4D	D			34124	6,205	307	29,160	1,467	0.21	C
440		Naples Boulevard	Pine Ridge Rd	Airport Rd	Major Collector Urban	0.87	Collier	35	4D	D			34901	13,691	678	29,160	1,467	0.46	D
450		New Market Road	SR 29	Charlotte St	Major Collector Urban	0.72	Collier	35	2U	D	612			11,447	651	13,320	675	0.97	D
451		New Market Road	Charlotte St	N 15th St/ SR 29	Major Collector Urban	1.51	Collier	40	2U	D			34176	14,235	704	15,930	792	0.89	C
470		Oaks Boulevard	Vanderbilt Beach Rd	Immokalee Rd	Minor Collector (Fed Aid) Urban	1.99	Collier	35	2U	D			34125	8,216	406	13,320	675	0.60	D
480	CR 858	Oil Well Road	Immokalee Road	Everglades Boulevard	Minor Arterial Urban	3.09	Collier	45	4D	D	7255			18,441	1,082	31,950	1,638	0.66	C
481	CR 858	Oil Well Road	Everglades Boulevard	Desoto Boulevard	Minor Arterial Rural	1.84	Collier	45	2U	D	694			8,444	445	14,580	720	0.62	C
482	CR 858	Oil Well Road	DeSoto Boulevard	Oil Well Grade	Minor Arterial Rural	2.08	Collier	45	2U	D	694			8,444	445	14,580	720	0.62	C
483	CR 858	Oil Well Road	Oil Well Grade	Ave Maria Blvd	Minor Arterial Rural	3.13	Collier	50	4D	D	694			8,444	445	27,360	1,422	0.31	C
484	CR 858	Oil Well Road	Ave Maria Blvd	SR 29	Minor Arterial Rural	5.73	Collier	55	2U	D	694			8,444	445	14,300	740	0.60	D
490	CR 887	Old US 41	US 41 (Tamiami Trail)	Lee County Line	Major Collector Urban	1.55	Collier	45	2U	D	547			17,106	1,181	15,930	792	1.49	F
500		Orange Blossom Drive	Goodlette-Frank Road	Airport Road	Major Collector Urban	1.36	Collier	30	2D	D	647			9,450	509	13,986	709	0.72	D
501		Orange Blossom Drive	Airport Road	Livingston Road	Major Collector Urban	1.01	Collier	30	2U	D	647			9,450	509	13,320	675	0.75	D
520	CR 896	Pine Ridge Road	US 41 (Tamiami Trail)	Goodlette-Frank Road	Minor Arterial Urban	0.51	Collier	35	6D	E	512			35,546	2,197	50,900	2,560	0.86	D
521	CR 896	Pine Ridge Road	Goodlette-Frank Road	Shirley Street	Minor Arterial Urban	0.67	Collier	40	6D	E	514			40,208	2,186	59,900	3,020	0.72	C
522	CR 896	Pine Ridge Road	Shirley Street	Airport Road	Minor Arterial Urban	0.81	Collier	40	6D	E	515			48,830	2,727	59,900	3,020	0.90	C
523	CR 896	Pine Ridge Road	Airport Road	Livingston Road	Minor Arterial Urban	1.05	Collier	45	6D	E	526			50,822	2,882	59,900	3,020	0.95	C
524	CR 896	Pine Ridge Road	Livingston Road	I-75	Minor Arterial Urban	0.95	Collier	45	6D	E	628			63,658	3,686	59,900	3,020	1.22	F
525	CR 896	Pine Ridge Road	I-75	Logan Boulevard	Minor Arterial Urban	1.13	Collier	45	6D	E	600			36,848	2,418	59,900	3,020	0.80	C
526	CR 896	Pine Ridge Road	Logan Boulevard	Collier Boulevard	Minor Arterial Urban	1.89	Collier	45	4D	D	535			21,990	1,479	35,820	1,800	0.82	C
530	CR 856	Radio Road	Airport Road	Livingston Road	Minor Arterial Urban	1.00	Collier	45	4D	D	544			23,673	1,303	35,820	1,800	0.72	C
531	CR 856	Radio Road	Livingston Road	Santa Barbara Boulevard	Minor Arterial Urban	1.99	Collier	45	4D	D	527			20,313	1,292	35,820	1,800	0.72	C
532	CR 856	Radio Road	Santa Barbara Boulevard	Davis Boulevard	Minor Arterial Urban	1.45	Collier	45	4D	D	685			16,305	814	35,820	1,800	0.45	C
540		Randall Blvd	Immokalee Road	8th St NE	Minor Collector (Fed Aid) Urban	0.53	Collier	45	4D	D	651			17,167	1,043	31,950	1,638	0.64	C
541		Randall Blvd	8th St NE	Everglades Blvd	Minor Collector (Fed Aid) Urban	2.88	Collier	45	2U	D	651			17,167	1,043	14,580	720	1.45	F
542		Randall Blvd	Everglades Blvd	DeSoto Blvd	Local	1.84	Collier	45	2U	D	Manual			N/A	706	14,580	720	0.98	D
550	CR 864	Rattlesnake Hammock Road	US 41 (Tamiami Trail)	Charlemagne Boulevard	Minor Arterial Urban	0.80	Collier	45	4D	D	516			20,487	1,137	35,820	1,800	0.63	C
551	CR 864	Rattlesnake Hammock Road	Charlemagne Boulevard	County Barn Road	Minor Arterial Urban	0.40	Collier	45	4D	D	517			18,371	916	35,820	1,800	0.51	C
552	CR 864	Rattlesnake Hammock Road	County Barn Road	Santa Barbara Boulevard	Minor Arterial Urban	0.75	Collier	45	4D	D	534			16,777	839	35,820	1,800	0.47	C

Collier MPO Congestion Management Process Network																			
2023 Existing + Committed Level of Service Conditions - March 2020																			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
MPO ID	Road Number	On Street	From Street	To Street	Functional Class	Length (miles)	Jurisdiction	Posted Speed	2023 E+C Number of Lanes	LOS Standard (1)	Collier Count Station ID	Naples Count Station ID	FDOT Count Station	2023 E+C AADT (4)	Pk Hr. Pk Dir. Volume (4)	Daily Service Volume	Pk Hr. Pk Dir. Service Volume	Pk Hr. Pk Dir. V/SV Ratio (2)	LOS (3)
553	CR 864	Rattlesnake Hammock Road	Santa Barbara Boulevard	Collier Boulevard	Minor Arterial Urban	1.91	Collier	45	6D	E	518			11,866	585	59,900	3,020	0.19	C
580		San Marco Rd	Vintage Bay Dr	US 41 (Tamiami Trail)	Minor Arterial Rural	7.99	Collier	55	2U	D			30048	4,099	214	14,300	740	0.29	B
590		Santa Barbara Boulevard	Rattlesnake-Hammock Road	Davis Boulevard	Major Collector Urban	2.05	Collier	45	6D	E	702			24,107	1,209	59,900	3,020	0.40	C
591		Santa Barbara Boulevard	Davis Boulevard	Radio Road	Major Collector Urban	1.06	Collier	45	6D	E	537			31,524	1,601	59,900	3,020	0.53	C
592		Santa Barbara Boulevard	Radio Road	Golden Gate Parkway	Major Collector Urban	1.39	Collier	45	6D	E	528			42,678	2,076	59,900	3,020	0.69	C
593		Santa Barbara Boulevard	Golden Gate Parkway	Green Boulevard	Major Collector Urban	1.71	Collier	45	4D	D	529			22,428	1,369	35,820	1,800	0.76	C
600	CR896	Seagate Drive	Crayton Road	US 41 (Tamiami Trail)	Major Collector Urban	0.49	Collier	30	4D	D	511			20,017	1,170	29,160	1,467	0.80	D
610		Shadowlawn Dr	US 41	Davis Blvd	Local	0.59	Collier	25	2U	D	523			5,118	260	13,320	675	0.39	C
700		Thomasson Drive	Bayshore Drive	US 41 (Tamiami Trail)	Major Collector Urban	1.27	Collier	45	2U	D	698			12,750	649	15,930	792	0.82	C
710	CR 862	Vanderbilt Beach Road	Gulfshore Drive	US 41 (Tamiami Trail)	Major Collector Urban	1.00	Collier	35	2U	E	524			19,915	1,093	14,040	720	1.52	F
711	CR 862	Vanderbilt Beach Road	US 41 (Tamiami Trail)	Goodlette-Frank Road	Major Collector Urban	0.93	Collier	45	6D	D	646			36,326	1,794	59,900	3,020	0.59	C
712	CR 862	Vanderbilt Beach Road	Goodlette-Frank Road	Airport Road	Major Collector Urban	1.20	Collier	45	6D	D	666			42,924	2,227	59,900	3,020	0.74	C
713	CR 862	Vanderbilt Beach Road	Airport Road	Livingston Road	Major Collector Urban	1.01	Collier	45	6D	E	579			33,614	2,164	59,900	3,020	0.72	C
714	CR 862	Vanderbilt Beach Road	Livingston Road	Logan Blvd	Major Collector Urban	2.15	Collier	45	6D	E	668			40,310	2,634	59,900	3,020	0.87	C
715	CR 862	Vanderbilt Beach Road	Logan Blvd	Collier Blvd	Major Collector Urban	1.88	Collier	55	6D	E	580			28,940	1,866	59,900	3,020	0.62	C
720		Vanderbilt Beach Road Extension	Collier Blvd	Wilson Blvd	Future Designation	5.04	Collier		4D	D	Estimate			20,000	1,026	52,400	2,730	0.38	B
721		Vanderbilt Beach Road Extension	Wilson Blvd	8th St NE	Future Designation	1.01	Collier		2U	D	Estimate			10,000	513	23,100	1,200	0.43	C
722		Vanderbilt Beach Road Extension	8th St NE	16th St NE	Future Designation	1.01	Collier		2U	D	Estimate			10,000	513	23,100	1,200	0.43	C
723		Vanderbilt Beach Road Extension	16th St NE	Everglades Blvd	Future Designation	1.84	Collier		0D	D				0		0	0	0.00	-
730	CR 901	Vanderbilt Drive	Vanderbilt Beach Rd	111th Avenue	Major Collector Urban	1.34	Collier	25	2U	D			34112	5,431	269	13,320	675	0.40	C
731	CR 901	Vanderbilt Drive	111th Avenue	Wiggins Pass Road	Major Collector Urban	1.49	Collier	45	2U	D	578			N/A	496	15,930	792	0.63	C
732	CR 901	Vanderbilt Drive	Wiggins Pass Road	Bonita Beach Road	Major Collector Urban	2.52	Collier	45	2U	D	548			N/A	496	15,930	792	0.63	C
735		Veterans Memorial Blvd	Old US 41	Livingston Road	Future Designation	2.26	Collier	45	4D	D	Estimate			10,000	495	35,820	1,800	0.28	C
740		Westclox St/New Market Rd W	Carson Road	SR 29	Major Collector Urban	1.09	Collier	45	2U	D	611			4,419	255	15,930	792	0.32	C
750		White Blvd/23rd/13th St SW/16th	Collier Blvd	Golden Gate Blvd W	Major Collector Urban	6.28	Collier	45	2U	D				0	0	24,200	1,190	0.00	-
760	CR 888	Wiggins Pass Road	Vanderbilt Drive	US 41 (Tamiami Trail)	Major Collector Urban	0.00	Collier	45	2U	D	669			N/A	559	15,930	792	0.71	C
770		Wilson Blvd	Golden Gate Boulevard	Immokalee Road	Major Collector Urban	3.22	Collier	45	2U	D	650			9,074	433	15,930	792	0.55	C
100		Capri Boulevard	Antigua St	Collier Blvd	Major Collector Urban	1.49	Marco	45	2U	D			34148	4,867	241	15,930	792	0.30	C
420		N Barfield Drive	San Marco Rd	Bald Eagle Dr	Major Collector Urban	3.03	Marco	30	2U	D			34622	9,256	458	13,320	675	0.68	D
460		North Collier Boulevard	San Marco Rd	N Barfield Dr	Major Collector Urban	2.16	Marco	35	4D	C			30189	19,864	984	13,050	657	1.50	D
461		North Collier Boulevard	N Barfield Dr	Jolley West Bridge	Minor Arterial Urban	0.45	Marco	35	4D	C			30189	19,864	984	13,050	657	1.50	D
560	CR 953	S Heathwood Dr / Bald Eagle Drive	San Marco Rd	Palm St	Major Collector Urban	2.63	Marco	45	2U	D			34144	17,276	855	15,930	792	1.08	F
570		San Marco Drive	N Collier Blvd	Barfield Dr	Major Collector Urban	2.03	Marco	35	2U	D			34131	12,410	614	13,320	675	0.91	D
571		San Marco Drive	Barfield Dr	Vintage Bay Dr	Minor Arterial Urban	1.43	Marco	35	2U	D			30048	4,099	203	13,320	675	0.30	C
620		South Barfield Drive	Winterberry Dr	San Marco Rd	Major Collector Urban	0.58	Marco	30	4D	D			34127	9,125	451	29,160	1,467	0.31	C
630		South Collier Boulevard	Winterberry Dr	San Marco Rd	Major Collector Urban	1.09	Marco	30	4D	D			34100	10,510	520	29,160	1,467	0.35	C
780		Winterberry Drive	S Collier Blvd	S Barfield Dr	Major Collector Urban	1.67	Marco	30	2U	D			34712	5,987	296	13,320	675	0.44	C
30		5th Avenue S	Gulf Shore Blvd S	US 41	Minor Collector (Fed Aid) Urban	0.70	Naples	25	2U	E		70	34103	10,173	801	14,040	720	1.11	F
60		Banyan Boulevard	Gulf Shore Blvd N	US 41	Minor Collector (Fed Aid) Urban	0.72	Naples	30	2D	C		49	34101	3,816	375	17,850	882	0.43	B
210		Crayton Road	Banyan Blvd	Harbour Dr	Minor Collector (Fed Aid) Urban	1.33	Naples	30	2U	C		40		7,891	723	6,570	333	2.17	F
211		Crayton Road	Harbour Dr	Seagate Dr	Minor Collector (Fed Aid) Urban	2.10	Naples	30	2U	C		40		7,891	723	6,570	333	2.17	F
300		Gulf Shore Boulevard S	Broad Ave S	5th Ave S	Minor Collector (Fed Aid) Urban	0.53	Naples	30	2U	C		85		5,539	626	6,570	333	1.88	D
301		Gulf Shore Boulevard S	5th Ave S	Banyan Blvd	Minor Collector (Fed Aid) Urban	1.50	Naples	30	2U	C		48		7,015	671	6,570	333	2.02	D
302		Gulf Shore Boulevard N	Banyan Blvd	US 41 (Tamiami Trail)	Minor Collector (Fed Aid) Urban	0.71	Naples	30	2D	C		39		7,538	683	6,899	350	1.95	D
303		Gulf Shore Boulevard N	South Of Via Miramar	Villa Mar Ln	Minor Collector (Fed Aid) Urban	2.05	Naples	30	2D	C		34		5,451	516	6,899	350	1.48	D
320		Harbour Drive	Gulf Shore Blvd N	US 41 (Tamiami Trail)	Minor Collector (Fed Aid) Urban	0.86	Naples	30	2U	C		37		5,302	497	6,570	333	1.49	D
400		Mooring Lane Drive	2170 Beacon House	US 41 (Tamiami Trail)	Minor Collector (Fed Aid) Urban	0.81	Naples	30	2D	C		39		7,538	683	17,850	882	0.77	C
510		Park Shore Drive	Gulf Shore Blvd N	US 41	Major Collector Urban	0.88	Naples	30	2U	C		30		16,360	1,465	6,570	333	4.40	F
130	SR 951	Collier Boulevard	Marco Island Bridge	CR 952 (Capri Blvd)	Minor Arterial Urban	1.24	State	55	4D	D	627		30157	32,797	1,954	39,800	2,000	0.98	D
131	SR 951	Collier Boulevard	CR 952 (Capri Blvd)	Mainsail Drive	Minor Arterial Urban	1.02	State	55	4D	D	627		30157	32,797	1,954	39,800	2,000	0.98	D
132	SR 951	Collier Boulevard	Mainsail Drive	Manatee Road	Minor Arterial Urban	3.45	State	55	4D	D	627		30157	32,797	1,954	39,800	2,000	0.98	D
133	SR 951	Collier Boulevard	Manatee Road	Henderson Creek Dr	Minor Arterial Urban	0.43	State	45	4D	D	557		30157	30,764	1,689	39,800	2,000	0.84	C
134	SR 951	Collier Boulevard	Henderson Creek Dr	Wal-Mart Driveway	Minor Arterial Urban	0.36	State	45	4D	D	557		30157	30,764	1,689	39,800	2,000	0.84	C

Collier MPO
Congestion Management Process Network

2023 Existing + Committed Level of Service Conditions - March 2020

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
MPO ID	Road Number	On Street	From Street	To Street	Functional Class	Length (miles)	Jurisdiction	Posted Speed	2023 E+C Number of Lanes	LOS Standard (1)	Collier Count Station ID	Naples Count Station ID	FDOT Count Station	2023 E+C AADT (4)	Pk Hr. Pk Dir. Volume (4)	Daily Service Volume	Pk Hr. Pk Dir. Service Volume	Pk Hr. Pk Dir. V/SV Ratio (2)	LOS (3)
135	SR 951	Collier Boulevard	Wal-Mart Driveway	US 41 (Tamiami Trail)	Minor Arterial Urban	0.29	State	45	6D	E	557		30157	30,764	1,689	59,900	3,020	0.56	C
220	SR 84	Davis Boulevard	US 41 (Tamiami Trail)	Airport Road	Minor Arterial Urban	1.01	State	45	6D	E	558		30178	30,778	1,778	59,900	3,020	0.59	C
221	SR 84	Davis Boulevard	Airport Road	Lakewood Boulevard	Minor Arterial Urban	0.55	State	45	4D	D	559		30176	29,482	1,744	39,800	2,000	0.87	C
222	SR 84	Davis Boulevard	Lakewood Boulevard	County Barn Road	Minor Arterial Urban	1.68	State	45	4D	D	658		30176	35,937	2,125	39,800	2,000	1.06	F
223	SR 84	Davis Boulevard	County Barn Road	Santa Barbara Blvd	Minor Arterial Urban	0.76	State	50	4D	D	538		30195	27,471	1,612	39,800	2,000	0.81	C
224	SR 84	Davis Boulevard	Santa Barbara Blvd	Radio Road	Minor Arterial Urban	1.75	State	50	6D	E	560		30170	14,744	817	59,900	3,020	0.27	C
225	SR 84	Davis Boulevard	Radio Road	Collier Boulevard	Minor Arterial Urban	0.70	State	45	6D	E	601		30193	25,588	1,237	59,900	3,020	0.41	C
330	I-75	I-75	Broward County Line	SR 29	Principal Arterial-Interstate Rural	29.13	State	70	4F	C			30173	26,116	1,522	43,000	2,500	0.61	B
331	I-75	I-75	SR 29	SR 951	Principal Arterial-Interstate Rural	21.23	State	70	4F	C			30351	29,187	1,701	43,000	2,500	0.68	C
332	I-75	I-75	SR 951	Golden Gate Pkwy	Principal Arterial-Interstate Urban	3.34	State	70	6F	D			32000	48,274	2,376	111,800	5,500	0.43	B
333	I-75	I-75	Golden Gate Pkwy	Pine Ridge Rd	Principal Arterial-Interstate Urban	2.58	State	70	6F	D			32003	93,074	4,582	111,800	5,500	0.83	D
334	I-75	I-75	Pine Ridge Rd	Immokalee Rd	Principal Arterial-Interstate Urban	4.27	State	70	6F	D			30191	108,723	5,352	111,800	5,500	0.97	D
335	I-75	I-75	Immokalee Rd	Lee County Line	Principal Arterial-Interstate Urban	3.06	State	70	6F	D			39950	115,443	5,683	111,800	5,500	1.03	E
640	SR 29	SR 29	US 41 (Tamiami Trail)	CR 837 (Janes Scenic Dr)	Principal Arterial-Other Rural	2.50	State	55	2U	D			30006	1,841	96	14,300	740	0.13	B
641	SR 29	SR 29	CR 837 (Janes Scenic Dr)	Wagon Wheel Rd	Principal Arterial-Other Rural	1.35	State	60	2U	D			30006	1,841	96	14,300	740	0.13	B
642	SR 29	SR 29	Wagon Wheel Rd	I-75	Principal Arterial-Other Rural	13.14	State	60	2U	D			30031	1,623	85	14,300	740	0.12	B
643	SR 29	SR 29	I-75	Oil Well Road	Principal Arterial-Other Rural	10.24	State	60	2U	D			30182	3,521	184	14,300	740	0.25	B
644	SR 29	SR 29	Oil Well Road	Agriculture Way	Principal Arterial-Other Rural	7.89	State	60	2U	D			30205	8,574	448	14,300	740	0.61	D
645	SR 29	SR 29	Agriculture Way	New Harvest Rd	Principal Arterial-Other Rural	1.15	State	45	2U	D			30205	8,574	448	14,200	740	0.61	C
646	SR 29	SR 29	New Harvest Rd	CR 29A South	Principal Arterial-Other Rural	0.66	State	45	2U	D			30002	10,164	532	14,200	740	0.72	C
647	SR 29	SR 29	CR 29A South	1st St	Principal Arterial-Other Urban	0.41	State	35	4D	D	664		30002	15,009	789	32,400	1,630	0.48	D
648	SR 29	SR 29	1st St	9th Street	Principal Arterial-Other Urban	0.50	State	35	4D	D	664		30029	15,009	789	32,400	1,630	0.48	D
649	SR 29	SR 29	9th Street	Immokalee Dr	Principal Arterial-Other Urban	0.87	State	45	2U	D	663		30029	15,644	802	17,700	880	0.91	C
650	SR 29	SR 29	Immokalee Dr	CR 29A North	Principal Arterial-Other Urban	1.18	State	45	2U	D	663		30038	15,644	802	17,700	880	0.91	C
651	SR 29	SR 29	CR 29A North	SR 82	Principal Arterial-Other Rural	2.95	State	60	2U	D	663		30143	15,644	802	23,100	1,200	0.67	C
652	SR 29	SR 29	SR 82	Hendry County Line	Principal Arterial-Other Rural	2.06	State	60	2U	D			30184	6,633	346	14,300	740	0.47	C
660	SR 82	SR 82	Lee County Line	Corkscrew Rd	Principal Arterial-Other Rural	1.70	State	60	2U	D			30183	14,738	770	14,300	740	1.04	E
661	SR 82	SR 82	Corkscrew Rd	SR 29	Principal Arterial-Other Rural	5.36	State	60	4D	D			30200	14,989	783	51,000	2,660	0.29	B
670	US 41	Tamiami Trail East	Davis Boulevard	Airport Road	Principal Arterial-Other Urban	1.26	State	45	6D	E	545		35001	37,244	2,120	59,900	3,020	0.70	C
671	US 41	Tamiami Trail East	Airport Road	Rattlesnake Hammock Road	Principal Arterial-Other Urban	1.69	State	45	6D	E	604		30094	58,560	3,013	59,900	3,020	1.00	D
672	US 41	Tamiami Trail East	Rattlesnake Hammock Road	Treetops Dr	Principal Arterial-Other Urban	2.45	State	55	6D	E	572		30015	41,324	2,142	59,900	3,020	0.71	C
673	US 41	Tamiami Trail East	Treetops Dr	Triangle Boulevard	Principal Arterial-Other Urban	1.69	State	55	6D	E	572		30014	41,324	2,142	59,900	3,020	0.71	C
674	US 41	Tamiami Trail East	Triangle Boulevard	Collier Boulevard	Principal Arterial-Other Urban	0.30	State	45	6D	E	571		30014	38,386	1,877	59,900	3,020	0.62	C
675	US 41	Tamiami Trail East	Collier Boulevard	Imperial Wilderness Blvd	Principal Arterial-Other Urban	2.64	State	60	6D	D	608		30194	22,640	1,093	59,900	3,020	0.36	C
676	US 41	Tamiami Trail East	Imperial Wilderness Blvd	Joseph Lane	Principal Arterial-Other Urban	0.27	State	60	6D	D	608		30005	22,640	1,093	59,900	3,020	0.36	C

Collier MPO Congestion Management Process Network										2023 Existing + Committed Level of Service Conditions - March 2020									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
MPO ID	Road Number	On Street	From Street	To Street	Functional Class	Length (miles)	Jurisdiction	Posted Speed	2023 E+C Number of Lanes	LOS Standard (1)	Collier Count Station ID	Naples Count Station ID	FDOT Count Station	2023 E+C AADT (4)	Pk Hr. Pk Dir. Volume (4)	Daily Service Volume	Pk Hr. Pk Dir. Service Volume	Pk Hr. Pk Dir. V/SV Ratio (2)	LOS (3)
677	US 41	Tamiami Trail East	Joseph Lane	Greenway Road	Principal Arterial-Other Rural	0.48	State	60	4D	D	608		30005	22,640	1,093	39,800	2,000	0.55	C
678	US 41	Tamiami Trail East	Greenway Road	Royal Hammock Blvd	Principal Arterial-Other Rural	2.33	State	60	2U	D	608		30005	22,640	1,093	24,400	1,200	0.91	D
679	US 41	Tamiami Trail East	Royal Hammock Blvd	San Marco Drive	Principal Arterial-Other Rural	2.43	State	60	2U	D	608		30005	22,640	1,093	14,300	740	1.48	E
680	US 41	Tamiami Trail East	San Marco Drive	Brewski Canal (Port of The Islands)	Principal Arterial-Other Rural	5.83	State	60	2U	D			30111	3,919	204	14,300	740	0.28	B
681	US 41	Tamiami Trail East	Brewski Canal (Port of The Islands)	SR 29	Principal Arterial-Other Rural	9.91	State	60	2U	D			30111	3,919	204	14,300	740	0.28	B
682	US 41	Tamiami Trail East	SR 29	Turner River Rd	Principal Arterial-Other Rural	6.68	State	60	2U	D			30104	3,237	169	14,300	740	0.23	B
683	US 41	Tamiami Trail East	Turner River Rd	Loop Rd	Principal Arterial-Other Rural	10.30	State	60	2U	D			30270	3,022	158	14,300	740	0.21	B
684	US 41	Tamiami Trail East	Loop Rd	Dade County Line	Principal Arterial-Other Rural	15.33	State	60	2U	D			30011	2,312	121	14,300	740	0.16	B
690	US 41	Tamiami Trail North	SR 84 (Davis Blvd)	CR 851 (Goodlette Rd South)	Principal Arterial-Other Urban	0.55	State	35	8D	E			30124	56,860	2,866	68,100	3,420	0.84	D
691	US 41	Tamiami Trail North	CR 851 (Goodlette Rd South)	12th Ave	Principal Arterial-Other Urban	1.66	State	30	6D	E			35007	36,965	1,863	50,900	2,560	0.73	D
692	US 41	Tamiami Trail North	12th Ave	Park Shore Dr / Cypress Woods Dr	Principal Arterial-Other Urban	2.12	State	45	6D	E			35011	39,938	2,013	59,900	3,020	0.67	C
693	US 41	Tamiami Trail North	Park Shore Dr / Cypress Woods Dr	Pine Ridge Rd / Seagate Dr	Principal Arterial-Other Urban	1.28	State	45	6D	E			30003	41,955	2,114	59,900	3,020	0.70	C
694	US 41	Tamiami Trail North	Pine Ridge Rd / Seagate Dr	Gulf Park Drive	Principal Arterial-Other Urban	1.43	State	45	6D	E	562		30012	45,145	2,445	59,900	3,020	0.81	C
695	US 41	Tamiami Trail North	Gulf Park Drive	Vanderbilt Beach Road	Principal Arterial-Other Urban	1.27	State	55	6D	E	563		30017	53,658	2,716	59,900	3,020	0.90	C
696	US 41	Tamiami Trail North	Vanderbilt Beach Road	Immokalee Road	Principal Arterial-Other Urban	1.51	State	50	6D	E	577		30192	39,664	2,120	59,900	3,020	0.70	C
697	US 41	Tamiami Trail North	Immokalee Road	Wiggins Pass Road	Principal Arterial-Other Urban	1.52	State	55	6D	E	564		30018	52,369	3,312	59,900	3,020	1.10	F
698	US 41	Tamiami Trail North	Wiggins Pass Road	Old US 41	Principal Arterial-Other Urban	0.23	State	55	6D	E	546		30018	44,640	2,484	59,900	3,020	0.82	C
699	US 41	Tamiami Trail North	Old US 41	Lee County Line	Principal Arterial-Other Urban	1.30	State	55	6D	E	546		30179	44,640	2,484	59,900	3,020	0.82	C

Notes:
(1) based on local agency comprehensive plans
(2) Pk Hr. Pk Dir. V/SV Ratio based on the Pk Hr. Pk Dir. Volume / Pk Hr. Pk Dir. Service Volume. 0.9 - 1.0 Yellow; 1.0 - 1.2 Orange; > 1.2 Red
(3) LOS Letter grade based on Pk Hr. Pk Dir. Volume and FDOT Generalize Capacity Thresholds for arterial and collector roadways
(4) assignment of volumes from count stations sources following the color pattern listed below.

Collier County
FDOT
Naples

Truck Route Codes:
N - Not a Truck Route
FDR - Freight Distribution Route
RFMC - Regional Freight Mobility Corridor LAR - Limited Access Roadway

Item 7A - Attachment 2

[illegible]

Table 1: Potential Effectiveness of Road Network Congestion Management Strategies for Schools in Collier County with High Traffic Congestion

ROAD NETWORK CONGESTION MANAGEMENT STRATEGIES			
RESULTS		<ul style="list-style-type: none"> • Reduces congestion • Lowers motor vehicle speeds in school zones • Improves pedestrian and bicyclist safety 	
EXAMPLES		Circulation Improvement: <ul style="list-style-type: none"> - Evaluate and optimize traffic signals around school dismissal times - Evaluate pedestrian signal timing (crossing and wait times) - Evaluate the street network to optimize routing to and from school sites 	Infrastructure Tools: <ul style="list-style-type: none"> - Traffic calming measures (curb extensions, chicanes, lateral shifts, roundabouts, etc.) - Traffic control devices (traffic signals, variable message signs, pedestrian hybrid beacons) - Pavement markings and signage (Marked crosswalks, guidance signage, warning signage, speed feedback signage)
POTENTIAL EFFECTIVENESS OF CONGESTION MANAGEMENT STRATEGIES	Gulf Coast High (GCH)	Medium	Low
	Laurel Oak Elementary (LOE)	Medium	Low
	Marco Island Academy (MIA)	Low	Low
	Naples High (NHS)	High	Medium
	North Naples Middle (NNM)	Medium	Low
	Oakridge Middle School (OMS)	Medium	Medium
	Pelican Marsh Elementary (PME)	Medium	Medium
	Palmetto Ridge High (PRH)	Medium	Low
	Pine Ridge Middle (PRM)	High	Medium

Table 2: Potential Effectiveness of School Site Congestion Management Strategies for Schools in Collier County with High Traffic Congestion

SCHOOL SITE CONGESTION MANAGEMENT STRATEGIES			
RESULTS		<ul style="list-style-type: none"> Eliminates peak volume times, reducing congestion Reduces congestion in drop-off and pick-up areas 	
EXAMPLES		Site-Design: <ul style="list-style-type: none"> Establish off-site waiting lots and curbing and parking zones Designate separate entrances and additional entrances for different modes of travel (bus, drop-off/ pick-up, pedestrians/ bicyclists) Establish a priority parking and loading zone for carpool vehicles Provide a pull-through lane to the left side of the on-site drop-off zones to permit passing 	Demand scheduling: <ul style="list-style-type: none"> Stagger dismissal times School Dismissal Automation Software (e.g. PikMyKid, School Pass)
POTENTIAL EFFECTIVENESS OF CONGESTION MANAGEMENT STRATEGIES	Gulf Coast High (GCH)	Medium	High
	Laurel Oak Elementary (LOE)	High	High
	Marco Island Academy (MIA)	High	Medium
	Naples High (NHS)	Medium	High
	North Naples Middle (NNM)	Medium	Medium
	Oakridge Middle School (OMS)	High	Medium
	Pelican Marsh Elementary (PME)	High	Medium
	Palmetto Ridge High (PRH)	Low	High
	Pine Ridge Middle (PRM)	High	Medium

Table 3: Potential Effectiveness of Transportation Mode Congestion Management Strategies for Schools in Collier County with High Traffic Congestion

TRANSPORTATION MODE CONGESTION MANAGEMENT STRATEGIES			
RESULTS		<ul style="list-style-type: none"> Reduces volume of vehicle traffic Improves pedestrian and bicyclist safety 	
EXAMPLES		Encouragement Solutions: <ul style="list-style-type: none"> Awareness campaign about school bus routes among eligible students School Carpooling Apps (e.g GoKid, KiD CarPool, Carpool to School, Carpools-Kids, Zūm, Hop Skip Drive, Sheprd, Kango) Waking/biking school bus Walk/ride to school days 	Infrastructure Solutions: <ul style="list-style-type: none"> Fill gaps in the pedestrian and bicycle network Path and trail connection from school to adjacent properties Secure and convenient bicycle parking
POTENTIAL EFFECTIVENESS OF CONGESTION MANAGEMENT STRATEGIES	Gulf Coast High (GCH)	High	Medium
	Laurel Oak Elementary (LOE)	High	Low
	Marco Island Academy (MIA)	High	Low
	Naples High (NHS)	High	High
	North Naples Middle (NNM)	High	Low
	Oakridge Middle School (OMS)	High	Medium
	Pelican Marsh Elementary (PME)	High	Medium
	Palmetto Ridge High (PRH)	High	Low
	Pine Ridge Middle (PRM)	High	Low

CR-886 (GOLDEN GATE PARKWAY) FROM EAST OF SANTA BARBARA BOULEVARD TO WEST OF CR-951 (COLLIER BOULEVARD)

Corridor Statistics										
AADT	27,496									
Crash Rate	5.048	Higher than Statewide Avg. for Urban 4-Lane Divided, Raised: 3.634								
Preliminary Ranking by Crash Frequency		1								
Preliminary Ranking by Crash Rate		5								
		2014	2015	2016	2017	2018	5-Yr Total	Mean Crashes Per Yr	Serious Injury Crashes	%
Angle		14	16	32	27	21	110	22	1	19.7%
Bike		2	1	1	1	2	7	1.4	1	1.3%
Head-On		2	2	4	1	1	10	2	0	1.8%
Hit Fixed Object		8	4	5	0	2	19	3.8	0	3.4%
Hit Non-Fixed Object		0	0	0	0	1	1	0.2	0	0.2%
Left-turn		22	11	9	14	14	70	14	3	12.5%
Parking Lot		0	1	2	1	0	4	0.8	0	0.7%
Pedestrian		1	1	1	0	0	3	0.6	0	0.5%
Rear-end		37	45	50	51	42	225	45	1	40.3%
Right-turn		3	2	3	2	3	13	2.6	1	2.3%
Sideswipe		15	8	20	16	14	73	14.6	0	13.1%
Single Vehicle		0	0	0	0	1	1	0.2	0	0.2%
Unknown		5	6	2	0	2	15	3	0	2.7%
U-Turn		1	0	2	3	2	8	1.6	0	1.4%
Total		110	97	131	116	105	559	111.8	7	100%
Fatal		0	0	0	0	0	0	0	-	0.0%
Incapacitating		0	1	1	2	3	7	1.4	-	1.3%
Non-Incapacitating		12	8	8	12	9	49	9.8	-	8.8%
Possible		15	9	16	8	13	61	12.2	-	10.9%
None		83	79	106	94	80	442	88.4	-	79.1%
Total		110	97	131	116	105	559	111.8	-	100%
Daylight		82	72	104	83	82	423	84.6	3	75.7%
Dawn		2	1	1	1	1	6	1.2	0	1.1%
Dusk		3	0	2	2	5	12	2.4	0	2.1%
Dark-Lighted		21	20	21	30	17	109	21.8	4	19.5%
Dark-Not Lighted		1	4	3	0	0	8	1.6	0	1.4%
Lighting		1	0	0	0	0	1	0.2	0	0.2%
Total		110	97	131	116	105	559	111.8	7	100%
Dry Roadway		90	82	110	97	87	466	93.2	7	83.4%
Wet Roadway		20	15	21	19	18	93	18.6	0	16.6%
Total		110	97	131	116	105	559	111.8	7	100%

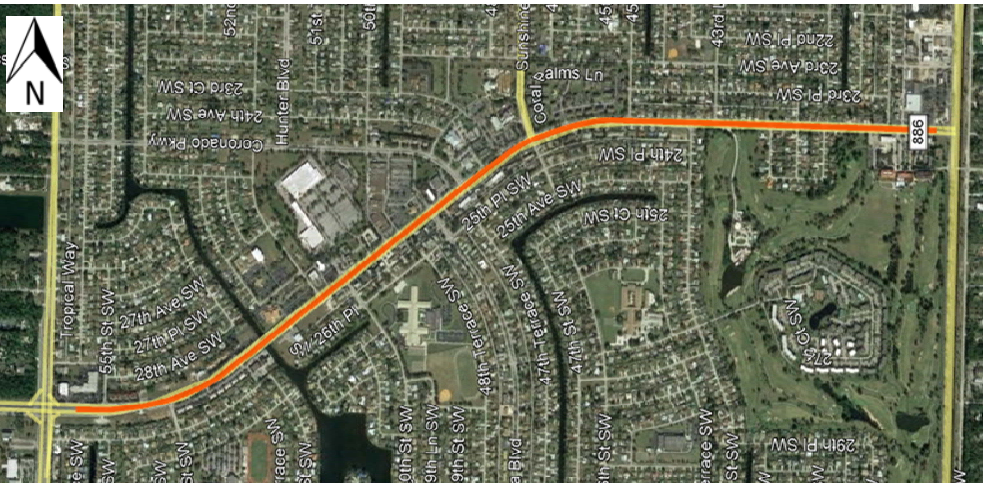
Nighttime Crashes	24.3%	Lower than Statewide Average of 30%
Wet Roadway Crashes	16.6%	Lower than Statewide Average of 18%

Observations & Recommendations

Location Description	Crash Trends/ Google Maps Observations	Recommendation
Corridor-wide	225 rear-end crashes; all at intersections; 184 (82%) of all rear-end crashes at signalized intersections; 42 (19%) of all rear-end crashes occurred during wet surface conditions; 47 (21%) of all rear-end crashes occurred at signalized T-intersection at Coronado Pkwy; 40 (18%) of all rear-end crashes occurred at signalized 4-leg intersection at Tropicana Blvd	Review yellow change and all-red clearance intervals. Consider corridor signal retiming study. After signal retiming is completed, monitor crashes to determine if crashes are reduced; if signal retiming does not help with signal progression, consider conducting ICE analysis.
	110 angle crashes; 92 (84%) of all angle crashes occurred at signalized intersections; 29 (26%) of all angle crashes occurred at signalized 4-leg intersection at Sunshine Blvd/47th St SW; 27 (25%) of all angle crashes occurred at signalized 4-leg intersection at Tropicana Blvd	Review yellow change and all-red clearance intervals. Consider corridor signal retiming study. After signal retiming is completed, monitor crashes to determine if crashes are reduced; if signal retiming does not help with signal progression, consider conducting ICE analysis.
	73 sideswipe crashes; 51 (70%) of all sideswipe crashes occurred at signalized intersections; based on preliminary review from Google Maps, there are no advanced street name signs	Install advanced street name signs for signalized intersections; has a Crash Reduction Factor (CRF) of 10% for sideswipe crashes
	70 left-turn crashes; 41 (59%) occurred at signalized intersections; 29 (41%) occurred at unsignalized intersections; 14 left-turn crashes occurred at signalized 4-leg intersection at Sunshine Blvd/47th St SW; some left-turn approaches at intersections have 4-section flashing left-turn signals; 11 left-turn crashes occurred at median opening of 41st St SW	Continue to monitor left-turn crashes at signalized intersections; evaluate feasibility of installing 4-section flashing left turn signals at additional problematic approaches Landscaping along median may cause a sight issue for left turning vehicles; evaluate sight distance and trim or remove landscaping near median openings if obscuring drivers' line of sight
	Based on preliminary review from Google Maps, there are no yellow retroreflective backplates on traffic signals at signalized intersections except: Tropicana Blvd, 47th St SW, and 44th St SW	Install yellow retroreflective backplates on all traffic signals; has a CRF of 15% for all crash types
	Based on preliminary review from Google Maps, there are R10-15s, TURNING VEHICLE YIELD TO PED signs, at all signalized intersections	Per new FHWA and FDOT guidelines, consider replacing TURNING VEHICLE YIELD TO PED signs with TURNING VEHICLE STOP FOR PED signs.
	School zone within study corridor; SCHOOL markings on roadway and S1-1 School zone signs present on median and shoulder; children observed crossing CR-886 within school zone in Google Maps; 10 bike/ped crashes; one incapacitating bike crash; nearest crossings across CR-886 within school zone are approximately 0.46 mile apart	Conduct mid-block crossing analysis within school zone to determine if a mid-block crossing is warranted. Per FHWA MUTCD Section 7B.15, review state and local statute and conduct an engineering study to determine if a school zone is appropriate for Golden Gate Middle School along CR-886.
	Based on preliminary review from Google Maps, crosswalk legs are missing from the following signalized intersections: - 50th St SW (Southwest leg) - Coronado Pkwy (Northeast leg) - 44th St SW (East leg)	Determine feasibility of installing special emphasis crosswalks on missing legs of the three intersections with pedestrian signals.

Other Roadway Characteristics/Observations:

- Segment Functional Classification: Minor Urban Arterial
- 4-Lane divided roadway
- Speed Limit: 35 mph
- Median is curbed and landscaped with trees
- Sidewalk and street lighting on both sides
- No bike lanes



CMS-ITS Evaluation Criteria and Scores

A. General Project Evaluation

Q 4 – Is this application supported by multiple jurisdictions?

Yes – 3 pt.

No (blank) – 0 pt.

Q 7 – Are there specific technical and/or monetary local contributions for this project?

Yes – 3 pt.

No – 0 pt.

Q 9 – Does this project require the acquisition of right-of-way?

Yes – 0 pt.

No – 3 pt.

B. Project Specific Evaluation:

Q1 - Uses TSM Approach?

High – 5 pts. – Incorporates intersection improvements such as turn lanes, signal improvements etc.; or significantly enhances operational response time for emergency vehicles on intersections/facilities which have an existing Level of Service (LOS) “F”

Med – 3 pts. – Incorporates intersection improvements such as turn lanes, signal improvements, etc.; or significantly enhances operational response time for emergency vehicles on intersections/facilities which have an existing LOS “E”

Low – 1 pt.- incorporates intersection improvements such as turn lanes, signal improvements, etc.; or establish and/or improves traffic diversion capability on intersections/facilities (for example signage for alternative routes) which have an existing LOS “D”

Q2 - Uses TDM strategy?

High – 5 pts. – Reduces congestion and increases efficiency of the system by adding a new a transit route or a new park & ride facility or cooperating with regional TDM program

Med – 3 pts. – Reduces congestion and increases system efficiency by increasing existing carpooling, vanpooling, transit or a park & ride facility.

Low – 1 pt. – Reduces congestion and increases system efficiency by adding new bicycle or pedestrian facilities

Q3 - Supports/enhances and effectively integrates with existing ITS?

High – 5 pts. – Project affects arterial roadways; or addresses a critical need due to insufficient communication and/or system improvements

Med – 3 pts. – Project affects collector roadways; or addresses a critical need

Low – 1 pt. – Project location is not specific; or project is to address contingency system backup or to purchase miscellaneous equipment

Q4 - Increases Security?

Yes – 3 pt.

No (blank) – 0 pt.

Q5 - Increases Safety?

High – 5 pts. – Addresses a documented safety problem; reduces the total number of vehicle-related crashes or serious injuries; reduces the total number of bicycle-related or pedestrian related crashes; reduce the number of transit related injuries

Med – 3 pts. – Increases bicycle or pedestrian safety at high traffic location; and/or increases/improves safety of emergency responders at incident sites; or to reduce the number of secondary incidents as a result of a primary incident

Q6 - Promote Regional Connectivity?

High – 5 pts. – Enhances the inter-county connectivity of highways or transit

Med – 3 pts. – Enhances the inter-county connectivity of pathways/bikeways/trails

Low – 1 pt. – project is on a facility identified on the regional network

Q7 - Promotes Multi-Modal Solutions?

High – 5 pts. – Improves at least three modes; increases connectivity between motorized and non-motorized modes

Med – 3 pts. – Enhances at least two modes of transportation

Low – 1 pt. – Improves one mode; increases transit ridership on a specific route; increases transit enhancements such as park and ride lots or bus shelters; and other enhancements for non-motorized facilities etc.

Q8 - Protect Environmental Resources?

High – 5 pts. – Reduces air quality emissions; reduces fuel consumption by reducing corridor congestion

Med – 3 pts. – Reduces fuel consumption by reducing specific intersection delays; improves monitoring and reporting capability

Low – 1 pt. – Supports general congestion avoidance measures

Q9 - Promotes Economic Development or Freight Movement?

High – 5 pts. – Project is located at and directly affects access to airports, major activity centers, or freight activity centers

Med- 3 pts. – Project is located near and affects access to, airports, high employment areas, or freight activity centers

Low – 1 pt. – Project is not located near to airports, or high employment areas but can promote overall economic development of the community

EXECUTIVE SUMMARY
Reports and Presentations
Item 8A

Collier Area Transit Park and Ride Study Introduction

OBJECTIVE: For the Committee to receive an overview of the study and provide feedback.

CONSIDERATIONS: The purpose of the study is to identify and develop a standardized methodology for locating, operating, and maintaining Park & Ride Sites within Collier County. This ultimately is being thought of as a method to increase access to the system as well as an avenue to increase ridership to support expansion of the system. As Collier County's population continues to increase, traffic congestion is a concern that will need to be addressed. The use of Public Transit systems such as CAT will help reduce roadway congestion.

In 2005, a Park & Ride Study was conducted and found that there were favorable conditions and locations for these types of facilities within the County. There has been significant development in the County since that time so the Public Transit Division would like to update the study to reflect current conditions.

STAFF RECOMMENDATION: That the Committee review and provide comments on the park and ride study outlined and preliminary identified sites.

Prepared By: Josephine Medina, Senior Planner

Attachment 1: CAT Park and Ride Study Presentation

COLLIER AREA TRANSIT - PARK AND RIDE STUDY



JACOBS[®]

May 20, 2020



STAKEHOLDERS

Overview



Population growth in Collier County is approximately 2% per year. This growth results in traffic congestion on its arterial network.

The development of Park & Ride facilities is being explored in an effort to help alleviate some of the congestion, providing areas where commuters can park and take public transit into the urbanized areas.

In 2005, a Park & Ride study was conducted for Collier County and the results indicated that there were favorable conditions and locations where these sites could be successful.





Purpose

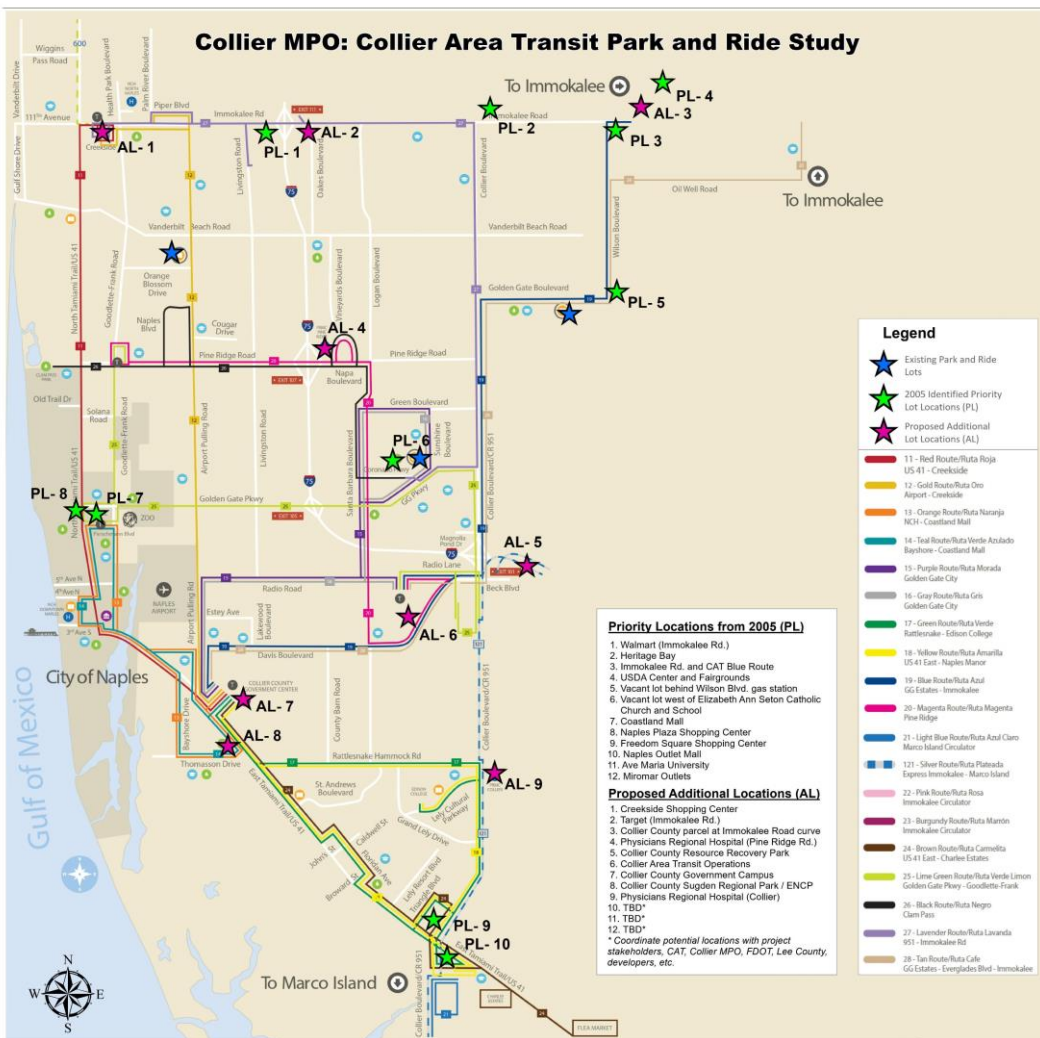
The purpose of the study is to identify and develop a standardized methodology for locating, operating, and maintaining Park & Ride sites within Collier County.

- ✓ Park & Ride sites will allow the integration of various transit modes and provide greater access to the public transit system.

This Study will re-evaluate the sites identified in 2005 Study, as well as additional sites identified by project stakeholders, to determine which sites have the highest potential to serve as Park & Ride lots.

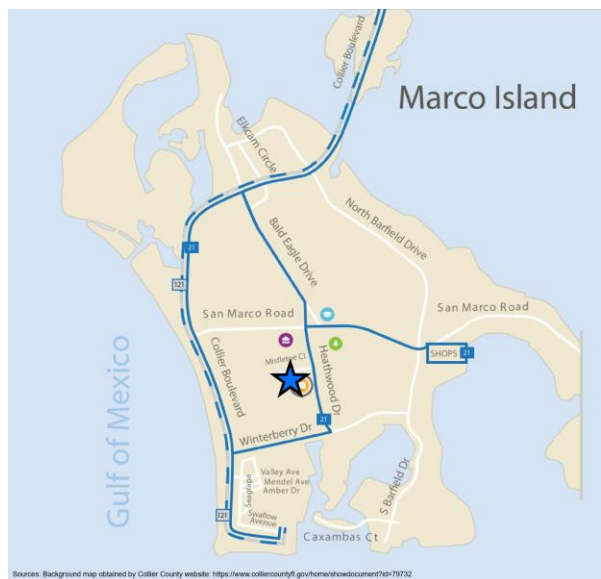


Study Area



The Study will consider each sites proximity to:

- ✓ Existing and planned Transit Routes
- ✓ Major Employment Locations
- ✓ Educational Facilities
- ✓ Tourist Destinations





Site Identification and Evaluation

Sites will be analyzed and ranked based on various criteria including but not limited to:

Visibility - Is the site easy to find or close to a primary roadway? Consider safety issues such as lighting.

Transit Linkage - Does the site offer a broad range of route options? Potential near term linkages between CAT and LeeTran will also need to be addressed.

Location - Is the site close to key activity area (businesses, stores, retail, recreational, educational)? Would they benefit from having a site adjacent? In addition, is the site located in proximity of a pathway, bike route, sidewalk or major roadway? Is it a County owned site? Is the property available? Are current property owners amenable to participating?

Access - Is there easy access to and from the site? If traffic makes it consistently difficult to access the facility, customers will be discouraged from utilizing it. Access Management is a key issue - especially Bus Access.

Cost - Is it cost effective to develop this site? A currently developed site would be a much lower cost initial investment.





Upcoming Activities – Q2 2020

- ☐ Continue reaching out and solicit input from stakeholders.
- ☐ Research funding opportunities and programs.
- ☐ Continue the Research of potential sites.
- ☐ Begin the Evaluation of potential sites.



Upcoming Activities – Q2 2020

Site Evaluations

CAT Park and Ride Site Evaluation Form		
Proposed Location Name and Address:		
Location ID:	No. of Proposed Spaces:	Overall Score: /360
Evaluation Criteria		
Score Weight Total		
1. Is the Site on a major arterial? (Along major: 10 pts; Within 0.25 mi: 8 pts; Within 0.5 mi: 6 points; Within 0.75 mi: 4 pts)		
	3	0
2. Is the Site located on an existing transit line? If so, indicate which route. (On existing: 10 pts; Within 0.25 miles: 8 pts; Within 0.5 miles: 6 pts)		
	2	0
3. Is there an existing bus stop adjacent to the Site? If so, indicate the bus stop ID. Is it a well-used stop? (Yes: 10 pts; Within 250 ft: 8 pts; Within 500 ft: 6 pts; Within 750 ft: 4 pts; Within 1,000 ft: 2 pts)		
	1	0
4. Does the existing bus stop have passenger amenities (shelter & bench)? If no, is there ROW available for amenities at the Site? (Shelter & bench: 10 pts; Bench only: 7 pts; ROW available: 6 pts)		
	1	0

CAT Park and Ride Site Evaluation Form		
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1. Is the Site on a major arterial? (Along major: 10 pts; Within 0.25 mi: 8 pts; Within 0.5 mi: 6 points; Within 0.75 mi: 4 pts)		
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	2	0
3. Is there an existing bus stop adjacent to the Site? If so, indicate the bus stop ID. Is it a well-used stop? (Yes: 10 pts; Within 250 ft: 8 pts; Within 500 ft: 6 pts; Within 750 ft: 4 pts; Within 1,000 ft: 2 pts)		
	1	0
4. Does the existing bus stop have passenger amenities (shelter & bench)? If no, is there ROW available for amenities at the Site? (Shelter & bench: 10 pts; Bench only: 7 pts; ROW available: 6 pts)		
	1	0
5. Is the Site located upstream of a congested segment based on anticipated travel path in the AM and/or PM (circle what applies)? Note: Anticipate future growth. (Within 0.5 mi: 10 pts; Within 1 mi: 8 pts; Within 2 mi: 4 pts)		
	2	0
6. Does the site have good visibility (from arterial)? (Clearly visible: 10 pts; Partially visible: 8 pts)		
	1.5	0
7. How far is the Site from the CBD or Activity Center? (1-3 miles: 10 pts; Within 3 miles: 8 pts; Within 10 miles: 5 pts; >10 miles: 0 pts)		
	1.5	0
8. Does the Site have sufficient access (ingress and egress) from the adjacent roadway? (Excellent: 10 pts; Good: 8 pts; Fair: 6 pts; Poor: 0 pts)		
	3	0
9. Is the location on the correct side of the road for transit pickup (serving proper direction for anticipated demand)? (Yes: 10 pts; No: 0 pts)		
	2	0
Reference: FDOT State Park and Ride Guide		
1		
Jacobs		





Participation

Online Survey:

- English Version: <https://www.surveymonkey.com/r/FH8LMNH>
- Spanish Version: <https://www.surveymonkey.com/r/FPNVH8X>
- Creole Version: <https://www.surveymonkey.com/r/3KHPKC7>





For questions or comments concerning this study please contact:

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- ❖ Collier Area Transit - Zack Karto (239) 252-5849

THANK YOU

