



To: Honorable Mayor and Village Council

Date: October 17, 2016

From: Edward Silva, Village Manager

Re: Comprehensive Village-Wide
Traffic Calming Plan

A RESOLUTION OF THE MAYOR AND VILLAGE COUNCIL OF THE VILLAGE OF PALMETTO BAY, FLORIDA, RELATING TO TRAFFIC VILLAGE-WIDE; AUTHORIZING THE VILLAGE MANAGER TO EXECUTE A PROJECT AGREEMENT WITH MARLIN ENGINEERING, INC. FOR A COMPREHENSIVE VILLAGE-WIDE TRAFFIC CALMING PLAN; FURTHER AUTHORIZING THE VILLAGE MANAGER TO EXPEND BUDGETED FUNDS IN AN AMOUNT UP TO \$84,150.00; AND PROVIDING FOR AN EFFECTIVE DATE. (Sponsored by Administration)

BACKGROUND AND ANALYSIS:

A goal of administration is to provide efficient and safe movement of vehicles and pedestrians through the Village by optimizing the smooth flow of traffic through the Village while minimizing traffic congestion and maximizing the capacity of our local roadway system. At this time, the Village is interested in developing a Comprehensive Village-Wide Traffic Calming Plan for the purpose of addressing various traffic issues throughout the Village; such as cut-through traffic and speeding. The goal of the study is to identify particular locations which present speed/traffic volume problems, and determine whether and where traffic calming measures are needed and if so, to develop [policies as to what type of traffic calming measures are recommended for that particular street or intersection.

At this time, the Village desires to hire a consultant engineer to complete a Comprehensive Village-Wide Traffic Calming Plan that identifies various measures to enhance the safety and livability of Palmetto Bay's residential and collector streets and develop a budget to implement the recommendations. In accordance with and pursuant to Florida Statute 287.055 for CCNA, Marlin Engineering, Inc., was one of the firms selected to provide professional engineering services. The Village previously negotiated hourly rates with the firm and entered into a professional service agreement with Marlin Engineering, Inc., to perform engineering services for the Village. Marlin Engineering, Inc. submitted a proposal to perform a Comprehensive Village-Wide Traffic Calming Plan.

Village staff and Marlin Engineering, Inc. have successfully negotiated a professional services fee for Comprehensive Village-Wide Traffic Calming Plan in an amount not to exceed \$84,150.00 (Attached as Exhibit "A"). Village's Traffic Engineering Consultant (Marlin Engineering, Inc.) will host a series of Public Involvement meetings with the community to include input from stakeholders such as, homeowners, Village Police, Miami-Dade County

Public Schools, Village Public Works and Miami Dade County Department of Transportation and Public Works.

The Public Services Department recommends that it is in the best interest of the Village to enter into a project agreement with Marlin Engineering, Inc. in accordance with the terms and conditions detailed in the continuing services agreement executed by and between the Village and Marlin Engineering, Inc. on June 20, 2013 for professional Transportation Planning and Engineering Services.

FISCAL/BUDGETARY IMPACT:

Eighty (80%) percent of the Peoples Transportation Plan funds is to go to transportation use. Funding is available and budgeted for this item under "Special Revenue Fund-Transportation Sales Tax" in an amount not to exceed \$84,150.00 during Fiscal Year 2016-17.

RECOMMENDATION:

Administration is respectfully requesting the Mayor and the Village Council of the Village of Palmetto Bay to authorize the Village Manager execute a project agreement in accordance with the terms and conditions of the agreement attached hereto as Exhibit "A", and authorize funding in an amount not to exceed \$84,150.00 on behalf of the Village to Marlin Engineering, Inc. for developing a Comprehensive Village-Wide Traffic Calming Plan to include recommendations for implementation of the plan.

Attachments:

- Exhibit A – Project Agreement with Marlin Engineering, Inc.

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RESOLUTION NO. 2016-____

A RESOLUTION OF THE MAYOR AND VILLAGE COUNCIL OF THE VILLAGE OF PALMETTO BAY, FLORIDA, RELATING TO TRAFFIC VILLAGE-WIDE; AUTHORIZING THE VILLAGE MANAGER TO EXECUTE A PROJECT AGREEMENT WITH MARLIN ENGINEERING, INC. FOR DEVELOPMENT OF A COMPREHENSIVE VILLAGE-WIDE TRAFFIC CALMING PLAN; FURTHER AUTHORIZING THE VILLAGE MANAGER TO EXPEND BUDGETED FUNDS IN AN AMOUNT UP TO \$84,150.00; AND PROVIDING FOR AN EFFECTIVE DATE. (Sponsored by Administration)

WHEREAS, a goal of administration is to provide efficient and safe movement of vehicles and pedestrians through the Village by optimizing the smooth flow of traffic through the Village while minimizing traffic congestion and maximizing the capacity of our local roadway system; and

WHEREAS, the Village is interested in developing a Comprehensive Village-Wide Traffic Calming Plan; and

WHEREAS, the Village desires to hire a consultant to complete a Comprehensive Village-Wide Traffic Calming Plan that identifies various measures to enhance the safety and livability of Palmetto Bay's residential and collector streets and budget to implement the recommendations; and

WHEREAS, in accordance with and pursuant to Florida Statutes 287.055 for CCN, the Village Manager has negotiated an agreement with Marlin Engineering, Inc. who was one of five consultants previously selected pursuant to Resolution No. 2013-40, to perform professional engineering services for the Village; and

WHEREAS, Village staff and Marlin Engineering, Inc. have successfully negotiated a professional services fee and agreement for a Comprehensive Village-Wide Traffic Calming Plan in an amount not to exceed \$84,150.00 (attached as Exhibit "A"); and

WHEREAS, Village's Traffic Engineering Consultant (Marlin Engineering, Inc.) will host a series of Public Involvement meetings with the community to include input from stakeholders such as, homeowners, Village Police, Miami-Dade County Public Schools, Village Public Works and Miami Dade County Department of Transportation and Public Works; and

WHEREAS, the Village Council desires to authorize the Village Manager to issue a Purchase Order in an amount not to exceed \$84,150.00 for Marlin Engineering, Inc. to complete a Comprehensive Village-Wide Traffic Calming Plan to include recommendations for implementation of the plan; and

WHEREAS, the Village Council finds that this Resolution is in the best interest of the Village; and

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND VILLAGE COUNCIL OF THE VILLAGE OF PALMETTO BAY, FLORIDA, AS FOLLOWS:

1 **Section 1.** The above recitals are true and correct and are incorporated herein by this
2 reference.

3
4 **Section 2.** The Village Manager in accordance with the terms and conditions of the agreement
5 attached hereto as Exhibit "A" is hereby authorized to issue a purchase order in an amount not to
6 exceed \$84,150.00 on behalf of the Village to Marlin Engineering, Inc. to develop a Comprehensive
7 Village-Wide Traffic Calming Plan to include recommendations for implementation of the plan.

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9 **Section 3.** This Resolution shall become effective immediately.

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12 PASSED AND ADOPTED this 17th day of October, 2016.

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15 Attest:

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18 _____
19 Missy Arocha
20 Village Clerk

Eugene Flinn
Mayor

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22
23 APPROVED AS TO FORM AND LEGAL SUFFICIENCY FOR THE USE
24 AND RELIANCE OF THE VILLAGE OF PALMETTO BAY, FLORIDA ONLY:

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29 _____
30 Dexter W. Lehtinen
31 Village Attorney

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35 FINAL VOTE AT ADOPTION:

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37 Council Member Karyn Cunningham _____

38 Council Member Tim Schaffer _____

39 Council Member Larissa Siegel Lara _____

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41 Vice-Mayor John DuBois _____

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43 Mayor Eugene Flinn _____

MARLIN

September 7, 2016

Edward Silva - Village Manager
 Village of Palmetto Bay
 9705 East Hibiscus Street
 Palmetto Bay, FL 33157

RE: PROPOSAL FOR VILLAGE-WIDE TRAFFIC CALMING STUDY

Dear Mr. Silva:

Thank you for the award of this contract and Marlin Engineering, Inc. (MARLIN) is pleased to respond to your request for proposal.

1. PROJECT

The purpose and goal of the study is to perform a comprehensive study for traffic calming alternatives for the entire Village. The scope of the study will involve neighborhood meetings and attendance/participation at a transportation summit to be hosted by the Village. Traffic data collection that identifies devices needed to reduce speeding, traffic intrusion, and keeps traffic on the main roadway network. A variety of devices may be recommended including circles, chicanes, speed tables, signage, education, enforcement, and chokers that narrow the roadway.

For the purposes of this study, the Village will be divided into three separate study areas, bounded by:

(Zone 1) North of SW 184th Street and south of SW 168th Street, east of US-1 and west of the Atlantic Ocean.

(Zone 2) North of SW 168th Street and south of SW 152nd Street, east of US-1 and west of the Atlantic Ocean.

(Zone 3) North of SW 152nd Street and south of SW 136th Street, east of US-1 and west of the Atlantic Ocean.

When performing any traffic calming, MARLIN's study goals are to:

1. To increase the quality of life;
2. Incorporate the preferences and requirements of the residents;
3. Create safe and attractive streets; and
4. Help to reduce the negative effects of motor vehicles on the environment; and promote pedestrian, bicycle and transit use.

To maximize funding for the Village of Palmetto Bay, the study will be broken up into two (2) phases, including:

- A. Phase 1 - Traffic Calming Study to develop Villagewide Traffic Calming Alternatives Master Plan
- B. Phase 2 - Design of Final Construction Plans and Technical Specifications, including obtaining necessary permits from MDPWD. Post Design Services, including preparation of bid documents and construction inspection services will also be included.

2. SCOPE OF WORK FOR TRAFFIC ENGINEERING SERVICES:

The study shall reflect traffic calming measures in an effort to reduce or eliminate cut-thru traffic and speeding within the neighborhood. Suggested traffic calming devices for which the traffic intrusion analysis will examine are listed, but not limited to:



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- Speed humps and/or tables (Temporary or permanent)
- Neckdowns
- Traffic circles
- Half closures
- Full closures
- Channelization
- Chicanes
- Chokers
- Lane narrowing
- Traffic medians
- Diverters
- Raised Intersections

Traffic-calming devices can be effective in a variety of ways. However, each device has its own specific applications, and not every one fits every single circumstance. Some devices are more effective if used in combination with each other, or with alternative transportation approaches like bicycles, buses or light rail. The right use hinges on existing conditions along a street and the desired outcomes. MARLIN will develop a complete balance of these devices.

A. Kick-Off Meeting & Public Workshops

- a. Project Kickoff - MARLIN will have meeting with the Village and obtaining all pertinent background information.
- b. Neighborhood Meetings/Public Workshops - MARLIN will meet with neighborhood residents to provide the residents an opportunity to identify the existing traffic issues through a series of 5 separate meetings to provide direction for the study's focus. The 5 meetings may include a Transportation Summit/kick-off meeting, one focused meeting per study zone (3 total), and a follow-up meeting to present the master plan. Items for discussion at these meetings may include:
 - Objectives of the Traffic Study
 - Types of Data Collection
 - Locations of Data Collection
 - Analysis Procedures
 - Proposed schedule
 - Key issues/areas for residents

Deliverables:

- a. Sign-in Sheets to document attendees
- b. Display boards
- c. Comment Cards
- d. Map(s) of the area to allow residents to post "stickys" to document concerns
- e. Meeting summaries

B. Traffic Data Collection

MARLIN will document areas of initial concern from consultations with Village staff. The areas identified will serve as our initial concern locations and represent the core concentration areas of the study.

To identify supplemental concentration areas to build a comprehensive Village-Wide Traffic Calming Master Plan, MARLIN will use input gained through the kick-off meeting, study zone area meetings, perform field reviews in the study area, collect 24-hour roadway volume counts and speed data to measure the existing traffic conditions at key locations within the study area. In addition, MARLIN will utilize Bluetooth data collection devices to collect origin-destination counts to identify cut-through traffic, where appropriate.



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- Readily available pedestrian/bike data available from available master plans will be utilized, if available.
- Crash data shall be obtained from the Village of Palmetto Bay Police Department and/or the Miami-Dade County Sheriff's Office.

Note: A.M. and P.M. peak hour intersection turning movement counts will not be included within the scope of this data collection effort.

Deliverables:

- a. Field Review Summary (existing conditions, traffic patterns, existing devices, etc.)
- b. 24-Hour Average Daily Traffic
- c. 85th Percentile Speed Data
- d. Origin-Destination Data
- e. Crash Data Summary
- f. Pedestrian/Bike Data

C. Data Analysis

MARLIN will utilize the results from the data collection efforts to:

- a. Identify particular locations which present speeding/traffic volume problems
 - i. Existing traffic conditions; including the magnitude of speeding, volume and cut-through traffic
- b. Determine whether and where traffic calming measures are needed
 - i. Future traffic conditions considering the proposed traffic management strategies developed in this study
- c. Develop suggestions as to what type of traffic calming measures are recommended for a particular location/street, to:
 - i. Reduce speeding and/or
 - ii. Traffic volumes and/or
 - iii. Cut-Through

Deliverables:

- a. Map(s) of Areas of Concerns identifying locations for:
 - i. Speeding Issues and/or
 - ii. Volume Issues and/or
 - iii. Cut-Through and/or
 - iv. Crash Patterns and/or
 - v. Pedestrian/Bike Issues

D. Development of Traffic Calming Alternatives

Utilizing the map(s) of the areas of concerns throughout the Village, MARLIN will develop several suitable traffic calming alternatives that will address the concern, with an area-wide systematic traffic calming approach. Considerations will be made the recommendations in the available master plans within the Village and recommendations from the neighboring municipalities' master plans.

Speed control alternatives may include vertical deflection measures, horizontal deflection measures and constrictions. Typical volume control or cut-through control alternatives may include diverters and full or partial closures.

Prioritization





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Using a prioritization and scoring system, MARLIN will prioritize and rank locations for alternatives. Factors that will be included in prioritization will include 85% speed, average daily traffic (ADT), crashes, pedestrian and bicycle activity and amenities.

Deliverables:

- a. Recommendations for traffic calming devices to install on residential streets, where concerns are identified
- b. Prioritized list of traffic calming locations

E. Development of Village-wide Traffic Calming Master Plan

MARLIN will develop a Village-wide Traffic Calming Alternatives Master Plan, incorporating results of the data analysis, alternatives prioritization; and supplementing and encompassing the recommendations of available master plans.

This plan will then be presented at a "Follow-Up" neighborhood meeting to obtain 67% resident approval in the affected areas (67%). Upon resident approval, the Master Plan will be brought forward for Village Council adoption, prior to submittal to MDPWD to obtain County approval.

In order for MDPWD to provide final approval, the following documentation must also be obtained:

- Letters from affected entities such as Police, Fire, and Solid Waste Departments stating that they concur with the aforementioned traffic flow modifications and that they will not adversely impact their services.
- Concurrence from the affected residents/property owners. In lieu of concurrence from the affected residents/property owners, the Village Council may adopt a resolution after a public hearing.
- An executed Intergovernmental Agreement that the Village will be responsible for the installation and maintenance of traffic-calming devices, and assume liabilities associated with the installation of said devices.

Note: MARLIN will not be responsible for obtaining the 67% resident approval.

Deliverables:

- a. Traffic Calming Master Plan (24" x 36" color plot)

F. Miami-Dade County Public Works Department (MDPWD) Coordination

MARLIN will coordinate with Miami-Dade County Public Works Department (MDPWD) to obtain approval will be an ongoing and continuous process. This will assist in obtaining favorable and prompt approvals of the Master Plan.

Deliverables:

- a. Approval of the Traffic Calming Alternatives Master Plan
- b. Approval of the recommendation of the Final Report Study

G. Report

MARLIN will summarize the results of the study. Five (5) bound copies and one (1) electronic (PDF) of the final report will be provided to the Village of Palmetto Bay.

Deliverables:

- a. Final Report Study

H. Meetings/Council Presentation





MARLIN will perform at least (2) presentations to the Village Council as part of this study, one to introduce the study and another to discuss the results, present the Master Plan and obtain Council adoption.

I. Next Steps

Following the procedures outlined in the Miami-Dade County Street Closure and Traffic Flow Modification Manual, MARLIN will begin Phase II of the traffic calming study to develop final signed and sealed construction plans and technical specifications for the approved traffic calming measures within the Traffic Calming Alternatives Master Plan.

Note: NEXT STEPS ARE NOT PART OF THIS PROPOSAL. An additional proposal for Phase II will be developed by MARLIN based on the recommendations of the Traffic Calming Alternatives Master Plan. Permits for the final signed and sealed construction plans will be obtained in this phase.

3. CONTRACT SUM

For the services performed under paragraph 2, the Client will pay the Engineer the lump sum fee of (\$84,150.00) payable as follows. Any additional services will be negotiated as needed.

4. PAYMENTS

Subsequent progress payments of the above lump sum fees shall apply and invoice monthly in proportion to the services performed.

Should the client wish us to provide and/or negotiate with third parties, any of the aforementioned services or any other additional work not included in this proposal under the Scope of Work, we will provide it on a Time Charge plus Expenses basis, computed as the sum the following:

- Approved Employee Category and Certified Wage Rates
- Non-Salary expenses times a multiplier of 1.05

Non-Salary expenses include such typical expenses as cost of: transportation and subsistence; toll telephone calls and telegraph; printing and reproduction; computer time and programming costs; identifiable supplies; subcontract services such as: surveys, subsurface investigation and testing by commercial laboratories.

5. CLIENT RESPONSIBILITIES

Provide access to and make all provisions for the Engineer to enter upon public and private lands as required for the Engineer to perform his work under this proposal.

Place at the disposal of the Engineer all available information pertinent to the project upon which the Engineer can rely, including previous reports and any other data related to the design and construction of the project.

Designate a person to act as the Client's representative with respect to the work to be performed, such person to have complete authority to transmit instructions, receive information, interpret and define the Client's policies and decisions with respect to the work covered by this proposal.

6. SCHEDULE & DELIVERIES





MARLIN

A "signed and sealed" Report documenting the results of the study will be submitted, as detailed in the scope of services. The Engineer has neither jurisdiction nor control over the regulatory agencies and their plans review process, therefore the Engineer shall not be liable for the delays created by said agencies.

TRAFFIC CALMING INITIATIVES

ID	TASK NAME	DURATION (days)	START	FINISH	MONTH 1				MONTH 2				MONTH 3				MONTH 4				MONTH 5				MONTH 6			
					1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
	<i>Task 1: Project Kick-off</i>	15	0	15	■																							
	<i>Task 2: Data and Information Collection</i>	30	15	45					■																			
	<i>Task 3: Traffic Calming Alternatives and Master Plan</i>	30	45	75					■																			
	<i>Task 4: Design of Traffic Calming Devices</i>	30	75	105									■															
	<i>Task 5: Bid Phase and Construction Administration</i>	90	105	195													■				●							

- - Public Workshop
- - Project Kick-Off
- ★ - Village Staff Update
- ⊙ - Presentation to Village Council

7. ACCEPTANCE

The return of an executed copy of this proposal would constitute our authorization to proceed.

Very truly yours

MARLIN ENGINEERING, INC.

James E. Spinks III, PE, PTOE
Sr. Vice President

ACCEPTED BY: _____ DATE: _____

TITLE: _____



Task	Activity	Principal	Project Manager	Senior Engineer	Engineering Intern	Engineering Tech	GIS Specialist	Clerical	TOTAL
	Rates	\$ 165.00	\$ 145.00	\$ 135.00	\$ 118.00	\$ 80.00	\$ 80.00	\$ 50.00	
Meetings									
	Transportation Summit/Kick-Off Meeting		3.0	3.0	3.0			4.0	13.0
	Zone 1 Meeting		3.0	3.0	3.0				9.0
	Zone 2 Meeting		3.0	3.0	3.0				9.0
	Zone 3 Meeting		3.0	3.0	3.0				9.0
	Follow-Up Meeting		3.0	3.0	3.0				9.0
	Sub-total Hours		15.0	15.0	15.0			4.0	49.0
	Sub-total Salary Cost	\$ -	\$ 2,175.00	\$ 2,025.00	\$ 1,650.00	\$ -	\$ -	\$ 200.00	\$ 6,050.00
Field Data Collection									
	Field Review		4.0	32.0	32.0				68.0
	Ped/Bike Data					8.0			8.0
	Crash Summary				32.0				32.0
	Sub-total Hours		4.0	32.0	64.0	8.0			108.0
	Sub-total Salary Cost	\$ -	\$ 580.00	\$ 4,320.00	\$ 7,040.00	\$ 640.00	\$ -	\$ -	\$ 12,580.00
Map Preparation									
	Process Data Collection		1.0		4.0	80.0			85.0
	Map Areas of Concern			2.0			32.0		34.0
	Sub-total Hours		1.0	2.0	4.0	80.0	32.0		119.0
	Sub-total Salary Cost	\$ -	\$ 145.00	\$ 270.00	\$ 440.00	\$ 6,400.00	\$ 2,560.00	\$ -	\$ 9,815.00
Development of Traffic Calming Alternatives									
	Develop Traffic Calming Alternatives	2	8.0	40.0					50.0
	Prioritize locations		1.0	4.0	16.0		4.0		25.0
	Sub-total Hours	2.0	9.0	44.0	16.0		4.0		75.0
	Sub-total Salary Cost	\$ 330.00	\$ 1,305.00	\$ 5,940.00	\$ 1,760.00	\$ -	\$ 320.00	\$ -	\$ 9,655.00
Development of Village-Wide Traffic Calming Alternatives Plan									
	Develop Plan	2	2.0	48.0			24.0		68.0
	Sub-total Hours	2.0	3.0	40.0			24.0		68.0
	Sub-total Salary Cost	\$ 330.00	\$ 290.00	\$ 5,400.00	\$ -	\$ -	\$ 1,920.00	\$ -	\$ 7,940.00
Report Preparation									
	Summarize Findings in Report Format	2	2.0	24.0	60.0				88.0
	Sub-total Hours	2.0	2.0	12.0	60.0				88.0
	Sub-total Salary Cost	\$ 330.00	\$ 290.00	\$ 1,620.00	\$ 6,600.00	\$ -	\$ -	\$ -	\$ 8,840.00
Public Presentation									
	Present Plan for Approval	9	9.0						18.0
	Sub-total Hours	9.0	9.0						18.0
	Sub-total Salary Cost	\$ 1,485.00	\$ 1,305.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,790.00
Meetings (2 - 4 Hours each)									
	Meetings (2 - 4 Hours each)	8.0	8.0						16.0
	Sub-total Hours	8.0	8.0						16.0
	Sub-total Salary Cost	\$ 1,320.00	\$ 1,160.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,480.00
	Marlin Engineering Total Hours	23.0	50.0	145.0	159.0	88.0	60.0	4.0	541.0
	Marlin Engineering Salary Cost	\$ 3,795.00	\$ 7,250.00	\$ 19,575.00	\$ 17,490.00	\$ 7,040.00	\$ 4,800.00	\$ 200.00	\$ 68,130.00
	Subtotal								\$ 60,150.00
	Direct Expenses (*24-Hour Volume and Speed Counts: 80 Locations @ \$300/Location)								\$ 24,000.00
	MARLIN ENGINEERING COST FEE								\$ 84,150.00
	SUBCONSULTANTS COST FEE								\$ 84,150.00

* - Volume and speed count fee includes all necessary labor cost including, counters, boxes, and post processing of data. Number of counts based on review of Village roadway network and key areas/locations.

EXHIBIT "B"

PROJECT AGREEMENT

Between

VILLAGE OF PALMETTO BAY, FLORIDA

And

Marlin Engineering Inc.

for

Work Authorization No.

Palmetto Bay Comprehensive Village-Wide Traffic Calming Plan

PROJECT AGREEMENT

Between

THE VILLAGE OF PALMETTO BAY, FLORIDA

And

Marlin Engineering, Inc.

For

Work Authorization No. _____

Palmetto Bay Comprehensive Village-Wide Traffic Calming Plan

Pursuant to the provisions contained in the "continuing services agreement" between the VILLAGE OF PALMETTO BAY, FLORIDA, 9705 E Hibiscas Street, Palmetto Bay, Florida 33157 (the "VILLAGE") and Marlin Engineering, Inc. ("CONSULTANT") dated _____, this project agreement authorizes the CONSULTANT to provide the services as set forth below:

The VILLAGE and CONSULTANT agree as follows:

SECTION 1. SCOPE OF SERVICES

1.1 The CONSULTANT shall provide engineering services to the VILLAGE for the project as described in the "Project Description" attached as Exhibit "A."

1.2 The VILLAGE may request changes that would increase, decrease, or otherwise modify the Scope of Services. The changes must be contained in a written change order executed by the parties in accordance with the provisions of the continuing services agreement, prior to any deviation from the terms of the project agreement, including the initiation of any extra work.

SECTION 2. DELIVERABLES

As part of the Scope of Services and Project Schedule, the CONSULTANT shall provide to the VILLAGE the following Deliverables:

See Deliverables in Exhibit "A"

VPB _____
MEI _____

SECTION 3. TERM/TIME OF PERFORMANCE/DAMAGE

3.1 **Term.** This project agreement shall commence on the date this instrument is fully executed by all parties and shall continue in full force and effect until the project is complete, unless otherwise terminated pursuant to SECTION 6 or other applicable provisions of this project agreement. The VILLAGE MANAGER, in his sole discretion, may extend the term of this agreement through written notification to the CONSULTANT. The extension shall not exceed 30 days. No further extensions of this agreement shall be effective unless authorized by the VILLAGE council.

3.2 **Commencement.** The CONSULTANT's services under this project agreement and the time frames applicable to this project agreement shall commence upon the date provided in a written Notification of Commencement ("Commencement Date") provided to the CONSULTANT from the VILLAGE. The CONSULTANT shall not incur any expenses or obligations for payment to third parties prior to the issuance of the Notification of Commencement. CONSULTANT must receive written notice from the VILLAGE MANAGER or his designee prior to the beginning the performance of services.

3.3 **Contract Time.** Upon receipt of the Notification of Commencement, the CONSULTANT shall commence services to the VILLAGE on the Commencement Date, and shall continuously perform services to the VILLAGE, without interruption, in accordance with the time frames set forth in the "Project Schedule," a copy of which is attached and incorporated into this agreement as Exhibit "A". The number of calendar days from the Commencement Date, through the date set forth in the Project Schedule for completion of the project or the date of actual completion of the project, whichever shall last occur, shall constitute the Contract Time.

3.4 **Liquidated Damages.** Unless otherwise excused by the VILLAGE in writing, in the event that the CONSULTANT fails to meet to the contract time for completion of services as determined by the Project Schedule, the CONSULTANT shall pay to the village the sum of dollars identified below per day for each and every calendar day unexcused delay beyond the completion date, plus approved time extensions, until completion of the project: \$0 per day. The consultant may claim extension if the factors involved are not under their direct control.

Any sums due and payable hereunder by the CONSULTANT shall be payable, not as a penalty, but as liquidated damages representing an estimate at or before the time of executing this agreement. When the VILLAGE reasonably believes that completion will be inexcusably delayed, the village shall be entitled, but not required, to withhold from any amounts otherwise due the CONSULTANT an amount then believed by the village to be adequate to recover liquidated damages applicable to the delays. If and when the CONSULTANT overcomes the delay in achieving completion, or any part thereof, for which the VILLAGE has withheld payment, the VILLAGE shall promptly release to the CONSULTANT those funds withheld, but no longer applicable, as liquidated damages.

3.5 All limitations of time set forth in this agreement are of the essence.

VPB _____
MEI _____

SECTION 4. AMOUNT, BASIS AND METHOD OF COMPENSATION

4.1 Lump Sum Compensation. VILLAGE agrees to pay consultant as compensation for performance of itemized services described in Exhibit "A" (OR, HOURLY, "VILLAGE AGREES TO PAY CONSULTANT COMPENSATION AT CONSULTANT'S HOURLY RATES, UP TO A MAXIMUM AMOUNT NOT TO EXCEED \$84,150.00.)

4.2 Reimbursable Expenses. The following expenses are reimbursable at their actual cost: travel and accommodations, long distance telephone calls, facsimile, courier services, mileage (at a rate approved by the VILLAGE), photo and reproduction services. All document reproductions are also reimbursable, at a rate approved by the VILLAGE.

SECTION 5. BILLING AND PAYMENTS TO THE CONSULTANT

5.1 Invoices

5.1.1 Lump Sum Compensation and Reimbursable Expenses. CONSULTANT shall submit invoices which are identified by the specific project number on a monthly basis in a timely manner. These invoices shall identify the nature of the work performed, the phase of work, and the estimated percent of work accomplished. Invoices for each phase shall not exceed amounts allocated to each phase of the Project plus reimbursable expenses accrued during each phase. The statement shall show a summary of fees with accrual of the total and credits for portions previously paid by the VILLAGE. The VILLAGE shall pay CONSULTANT within 30 days of approval by the VILLAGE manager of any invoices submitted by CONSULTANT to the VILLAGE.

5.2 Disputed Invoices. In the event that all or a portion of an invoice submitted to the VILLAGE for payment to the CONSULTANT is disputed, or additional backup documentation is required, the VILLAGE shall notify the CONSULTANT within 15 working days of receipt of the invoice of the objection, modification or additional documentation request. The CONSULTANT shall provide the VILLAGE with additional backup documentation within five working days of the date of the VILLAGE's notice. The VILLAGE may request additional information, including but not limited to, all invoices, time records, expense records, accounting records, and payment records of the CONSULTANT. The VILLAGE, at its sole discretion, may pay to the CONSULTANT the undisputed portion of the invoice. The parties shall endeavor to resolve the dispute in a mutually agreeable fashion.

5.3 Suspension of Payment. In the event that the VILLAGE becomes credibly informed that any representations of the CONSULTANT, provided pursuant to subparagraph 5.1, are wholly or partially inaccurate, or in the event that the CONSULTANT is not in compliance with any term or condition of this project agreement, the VILLAGE may withhold payment of sums then or in the future otherwise due to the CONSULTANT until the inaccuracy, or other breach of project agreement, and the cause thereof, is corrected to the VILLAGE's reasonable satisfaction.

VPB _____
MEI _____

5.4 **Retainage.** The VILLAGE reserves the right to withhold retainage in the amount of 10 percent of any payment due to the CONSULTANT until the project is completed. Said retainage may be withheld at the sole discretion of the VILLAGE manager and as security for the successful completion of the CONSULTANT's duties and responsibilities under the project agreement.

5.5 **Final Payment.** Submission of the CONSULTANT's invoice for final payment and reimbursement shall constitute the CONSULTANT's representation to the VILLAGE that, upon receipt from the VILLAGE of the amount invoiced, all obligations of the CONSULTANT to others, including its CONSULTANT's, incurred in connection with the project, shall be paid in full. The CONSULTANT shall deliver to the VILLAGE all documents requested by the VILLAGE evidencing payments to any and all subcontractors, and all final specifications, plans, or other documents as dictated in the Scope of Services and Deliverable. Acceptance of final payment shall constitute a waiver of any and all claims against the VILLAGE by the CONSULTANT.

SECTION 6. TERMINATION/SUSPENSION

6.1 **For Cause.** This project agreement may be terminated by either party upon five calendar days written notice to the other party should the other party fail substantially to perform in accordance with its material terms through no fault of the party initiating the termination. In the event that CONSULTANT abandons this project agreement or causes it to be terminated by the VILLAGE, the CONSULTANT shall indemnify the VILLAGE against any loss pertaining to this termination. In the event that the CONSULTANT is terminated by the VILLAGE for cause and it is subsequently determined by a court of competent jurisdiction that the termination was without cause, the termination shall thereupon be deemed a termination for convenience under section 6.2 of this project agreement and the provision of section 6.2 shall apply.

6.2 **For Convenience.** This project agreement may be terminated by the VILLAGE for convenience upon 14 days' written notice to the CONSULTANT. In the event of termination, the CONSULTANT shall incur no further obligations in connection with the project and shall, to the extent possible terminate any outstanding sub CONSULTANT obligations. The CONSULTANT shall be compensated for all services performed to the satisfaction of the VILLAGE and for reimbursable expenses incurred prior to the date of termination. The CONSULTANT shall promptly submit its invoice for final payment and reimbursement and the invoice shall comply with the provisions of paragraph 5.1 of this project agreement. Under no circumstances shall the VILLAGE make any payment to the CONSULTANT for services which have not been performed.

6.3 **Assignment upon Termination.** Upon termination of this project agreement, a copy of all of the CONSULTANT's work product shall become the property of the VILLAGE and the CONSULTANT shall, within 10 working days of receipt of written direction from the VILLAGE, transfer to either the VILLAGE or its authorized designee, a copy of all work

VPB _____
MEI _____

product in its possession, including but not limited to designs, specifications, drawings, studies, reports and all other documents and data in the possession of the CONSULTANT pertaining to this project agreement. Further, upon the VILLAGE's request, the CONSULTANT shall assign its rights, title and interest under any subcontractor's agreements to the VILLAGE.

6.4 **Suspension for Convenience.** The VILLAGE shall have the right at any time to direct the CONSULTANT to suspend its performance, or any designated part thereof, for any reason whatsoever or without reason, for a cumulative period of up to 30 calendar days. If the suspension is directed by the VILLAGE, the CONSULTANT shall immediately comply with same. In the event the VILLAGE directs a suspension of performance as provided for herein through no fault of the CONSULTANT, the VILLAGE shall pay to the CONSULTANT its reasonable costs, actually incurred and paid, of demobilization and remobilization, as full compensation for the suspension.

SECTION 7. INCORPORATION OF TERMS AND CONDITIONS OF CONTINUING SERVICE AGREEMENT

7.1 This project agreement incorporates the terms and conditions set forth in the continuing services agreement dated _____ between the parties as though fully set forth herein. In the event that any terms or conditions of this project agreement conflict with the continuing services agreement, the provisions of this specific project agreement shall prevail and apply.

[THE REST OF THIS PAGE INTENTIONALLY LEFT BLANK.]

VPB _____
MEI _____

ATTEST:

VILLAGE OF PALMETTO BAY

Interim Village Clerk

By: _____
Edward Silva, Village Manager

Date: _____

APPROVED AS TO FORM:

Village Attorney

ATTEST:

Marlin Engineering, Inc.

By: _____
James E. Spinks III, PE, PTOE
Vice President, of Traffic Engineering
& Transportation Manager

Date: _____

WITNESSES

Print Name: _____

Print Name: _____

DRAFT

VPB _____
MEI _____

**COMPREHENSIVE TRAFFIC PLAN
PROPOSED PROJECT LOCATIONS**

■ **SPEED HUMPS
(AVENUES)**

70 AV- SO. OF 136 ST
70 AV- SO. OF S CARTEE
72 AV- SO. OF 139 ST
74 CT- SO. OF 136 ST
75 AV- SO. OF 137 ST
77 AV- SO. OF 170 ST
77 AV- SO. OF 172 ST
77 AV- SO. OF 177 ST
78 CT- SO. OF 136 ST (2)
80 AV- NO. OF 147 ST
80 AV- SO. OF 148 ST
82 CT- NO. OF 168 ST
82 AV- SO. OF 182 ST
83 AV- NO. OF 155 TR
83 AV- NO. OF 158 ST
83 AV- NO. OF 168 ST
83 AV- SO. OF 178 TR
83 AV- SO. OF 181 ST
84 AV- SO. OF 160 ST
84 AV- NO. OF 164 TR
84 AV- SO. OF 168 ST

■ **SPEED HUMPS
(AVENUES- CONT.)**

84 AV- SO. OF 170 TR
84 AV- SO. OF 172 ST
84 AV- SO. OF 174 ST
84 AV- SO. OF 176 ST
84 AV- SO. OF 179 ST
87 CT- SO. OF 168 ST
87 CT- SO. OF 171 ST
88 AVE- SO. OF 168 ST
88 AVE- SO. OF 171 ST
89 AVE- SO. OF 153 TR
89 AVE- NO. OF 159 ST
93 AVE- NO. OF 174 ST
93 AVE- SO. OF 181 ST
94 AVE- SO. OF 176 ST
94 AVE- SO. OF 178 ST
94 AVE- SO. OF 181 TR

■ **SPEED HUMPS
(STREETS)**

139 ST- EAST OF 77 AV
146 ST- WEST OF 82 CT
146 ST- EAST OF 85 AV
148 DR- WEST OF 82 CT
148 DR- WEST OF 83 AV
148 ST- WEST OF 88 AV
148 ST- WEST OF US1
164 ST- MID ST. SECTION
164 TR- MID ST. SECTION
165 TR- EAST OF 84 AV
173 ST- WEST OF 74 AV
173 ST- EAST OF 77 AV
174 ST- EAST OF 73 CT
174 ST- EAST OF 77 AV
174 ST- EAST OF 85 AV
174 ST- EAST OF 86 AV

■ **CHICANES**

67 AV & 149 TR
74 CT- SO. OF 136
77 AV- SO. OF 145 ST
77 AV- NO. OF 152 ST
77 AV- NO. OF 180 ST
80 AV- SO. OF 148 DR
86 AV- SO. OF 169 TR
86 AV- SO. OF 172 ST
92 AV- NO. OF 163 TR
140 ST- EAST OF 77 AV
141 ST- EAST OF 85 AV
144 ST & 73 CT
160 ST- EAST OF 89 AV
165 TR & 83 AV
165 TR & 82 CT

○ **TRAFFIC CIRCLES**

136 ST & 67 AV
136 ST & 82 AV
144 ST & 87 AVE
148 ST & 89 AVE
152 ST & OLD CUTLER
168 ST & 82 AVE
70 AV & S CARTEE RD
82 AV & 148 DR
82 AV & 176 ST
84 AV & 174 ST
87 AV & 174 ST
93 AV & 128 ST

■ **STREET CLOSURES**

136 ST @ OLD CUTLER
94 AV @ 180 ST

■ **DIVERTERS**

(not on map)
130 ST & 82 AV
74 CT & 140 ST
180 ST & 96 AV

Note: these locations and/or type of calming device are subject to change based on resident input, engineering review, county approval, and Council direction.

Traffic Town Hall- 9/27/2016



To: Honorable Mayor and Village Council

Date: October 17, 2016

From: Edward Silva, Village Manager

Re: Installation of Multiple
Permanent Speed Tables SW
148th ST from SW 87th AV to
US-1/ South Dixie Highway

A RESOLUTION OF THE MAYOR AND VILLAGE COUNCIL OF THE VILLAGE OF PALMETTO BAY, FLORIDA, RELATING TO CONTRACTS FOR CONSTRUCTION OF TRAFFIC CALMING IMPROVEMENTS; APPROVING THE SELECTION OF WILLIAMS PAVING COMPANY TO PROVIDE CONSTRUCTION SERVICES FOR THE INSTALLATION OF MULTIPLE PERMANENT ASPHALTIC SPEED TABLES ON SW 148TH STREET BETWEEN SW 87TH AVENUE AND NORTHBOUND LANES OF US-1/SOUTH DIXIE HIGHWAY; FURTHER AUTHORIZING THE VILLAGE MANAGER TO APPROVE EXPENDITURE OF FUNDS IN AN AMOUNT UP TO \$20,000 FOR PERMANENT TRAFFIC CALMING DEVICES THAT WILL SUBSTANTIALLY IMPROVE THE FLOW OF TRAFFIC; PROVIDING FOR AUTHORIZATION; AND PROVIDING FOR AN EFFECTIVE. (Sponsored by Administration)

BACKGROUND AND ANALYSIS:

The Village of Palmetto Bay continues to be committed to the safety and livability of residential neighborhoods. Local and collector neighborhood streets are intended to provide access as a primary function with the needs of all road users generally given priority over moving traffic. When residential and collector roadways become cut-through routes, traffic volume, vehicle speed and road user safety become and issues. The Village receives numerous complaints about speeding, cut through traffic and road user safety every year, many of which are accompanied by requests for traffic calming devices such as permanent speed humps/tables, traffic circles; turn restrictions and all-way stops.

In response to numerous requests for traffic calming in various locations throughout the Village of Palmetto Bay, the Public Services Department (PSD) requested that speed and volume counts be collected on SW 148th ST between SW 87th AV and US-/ South Dixie Highway. Data along this roadway segment was collected on August 25, 2016 shortly after Miami Dade County School resumed its fall term on August 22, 2016. The data collected demonstrated that the 85 percentile speed for vehicles traveling this roadway in a 24 hour period was 35.6 mph and the volume per day (vpd) was 2,843.

While permanent speed humps could be considered an interim step in the Traffic Calming Program, in many cases they can be a long term solution. Permanent speed humps are an effective means to reduce traffic speeds in residential neighborhoods. The speed tables will be constructed with asphalt materials and are 22 feet in length with a flat top maximum height of

3.5 inches. The design of the flat top speed hump contains two, six feet tapered sections with a 10 feet flat section in the middle. The flat top speed table is designed for use on residential streets. The spacing of speed tables range between 300-500 feet. When speed tables are properly spaced, average vehicular speeds between speed tables range between 20 to 25 mph. The permanent speed tables recommended for placement on SW 148th Street between SW 87th AV and US-/ South Dixie Highway will effectively reduce vehicular speed to 25 mph or less in this neighborhood. Many physical constraints dictate the placement of permanent speed humps/tables. The Department will meet with the neighborhood representatives to respond to concerns before proceeding with the installation of permanent speed humps.

Administration requested and received pricing from three contractors for construction of asphaltic speed tables at various locations throughout the Village. The lowest, most responsive proposal received was from Williams Paving Company for an amount of \$5,985.00 per speed table installed. The attached Exhibit (described as Exhibit A), details the location and number of speed tables planned for installation at each location for a total project amount not to exceed \$20,000. Village Administration finds that this resolution is in the best interest and welfare of the residents of the Village.

FISCAL/BUDGETARY IMPACT:

The project is estimated to cost \$20,000. Funding is available and budgeted for this item under "Special Revenue Fund- Transportation – Traffic Calming" in an amount not to exceed \$20,000 in Fiscal Year 2016-2017.

RECOMMENDATION:

It is requested that the Village Council authorize the Village Manager to execute an agreement with William Paving Company to construct speed tables on SW 148th ST between SW 87th AV and US-/ South Dixie Highway for an amount of \$5,985.00 per speed table with a total project cost not to exceed \$20,000. Funding for this project is in the FY 2016-2017 Capital Improvement Plan.

Attachments:

- Exhibit A – Proposal received from Williams Paving Company
- Exhibit B – Locations and number of speed tables planned for immediate installation

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RESOLUTION NO. 2016-___

A RESOLUTION OF THE MAYOR AND VILLAGE COUNCIL OF THE VILLAGE OF PALMETTO BAY, FLORIDA, RELATING TO CONTRACTS FOR CONSTRUCTION OF TRAFFIC CALMING IMPROVEMENTS; APPROVING THE SELECTION OF WILLIAMS PAVING COMPANY TO PROVIDE CONSTRUCTION SERVICES FOR THE INSTALLATION OF MULTIPLE PERMANENT ASPHALTIC SPEED TABLES ON SW 148TH STREET BETWEEN SW 87TH AVENUE AND NORTHBOUND LANES OF US-1/SOUTH DIXIE HIGHWAY; FURTHER AUTHORIZING THE VILLAGE MANAGER TO APPROVE EXPENDITURE OF FUNDS IN AN AMOUNT UP TO \$20,000 FOR PERMANENT TRAFFIC CALMING DEVICES THAT WILL SUBSTANTIALLY IMPROVE THE FLOW OF TRAFFIC; PROVIDING FOR AUTHORIZATION; AND PROVIDING FOR AN EFFECTIVE. (Sponsored by Administration)

WHEREAS, the Village of Palmetto Bay continues to be committed to the safety and livability of its residential neighborhoods; and

WHEREAS, Resolution No(s): 2016-60, 2016-61, and 2016-65 authorized expenditures of funds for placement of permanent traffic calming devices on various local residential streets throughout the Village; and

WHEREAS, speed and vehicle volume counts were taken during a 24 hour period along SW 148th ST between SW 87th AV and US-1 / South Dixie Highway; and

WHEREAS, based on field observations and data collected (attached as Exhibit A) relevant to traffic intrusion, excessive traffic volume, speeding, traffic conditions, etc., village administration has determined that the installation of permanent speed tables will immediately discourage speeding and cut-through traffic while a more comprehensive plan is designed to include devices that will dramatically reduce the volume of traffic that traverses this roadway segment; and

WHEREAS, Village administration has determined that speed tables are the most appropriate type of traffic calming device for placement on SW 148th ST between SW 87th AV and US-1 / South Dixie Highway to reduce speeding of vehicles during peak hours; and

WHEREAS, administration requested and received proposals and pricing from three contractors for construction of asphaltic speed tables at various locations throughout the Village of Palmetto Bay, with the lowest most responsive proposal received from Williams Paving Company for an amount of \$5,985.00 per speed table installed; and

WHEREAS, Exhibit B details the locations and number of speed tables planned for immediate installation; and

1 **WHEREAS**, Village administration finds that this Resolution is in the best interest and
2 welfare of the residents of the Village of Palmetto Bay and is requesting that the Village Council
3 authorize the Village Manager to execute an agreement with Williams Paving Company for the
4 construction of speed tables on SW 148th ST between SW 87th AV and US-1 / South Dixie
5 Highway for an amount of \$5,985.00 per speed table with a total project cost not to exceed
6 \$20,000; and
7

8 **WHEREAS**, funding for installation of permanent speed tables in this neighborhood
9 are within the current fiscal year's budget for Neighborhood Traffic Calming Improvements, and
10

11 **WHEREAS**, Upon Village Council approval, Williams Paving Company will install
12 permanent speed tables at the locations identified in Exhibit B in compliance with Village of
13 Palmetto Bay Traffic Calming Procedures.
14

15 **NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND VILLAGE**
16 **COUNCIL OF THE VILLAGE OF PALMETTO BAY, FLORIDA, AS FOLLOWS:**

17
18 **Section 1.** The Village Council hereby approves the selection of William Paving Company to
19 construct speed tables on SW 148th ST between SW 87th AV and US-1 / South Dixie Highway
20 for an amount of \$5,985.00 per speed table with a total project cost not to exceed \$20,000.
21

22 **Section 2.** The Village Manager is hereby authorized to execute an agreement with Williams
23 Paving Company for construction of speed tables for a contract amount not to exceed \$20,000,
24 and related documentation on behalf of the Village, once approved as to final form, content and
25 legal sufficiency by the Village Attorney.
26

27 **Section 3.** This Resolution shall become effective upon the date of its adoption herein.
28
29

30 **PASSED and ADOPTED** this 17th day of October 2016.
31
32

33 Attest: _____

34 Missy Arocha
35 Village Clerk
36
37

Eugene Flinn
Mayor

38 **APPROVED AS TO FORM AND LEGAL SUFFICIENCY FOR THE USE**
39 **AND RELIANCE OF THE VILLAGE OF PALMETTO BAY, FLORIDA ONLY:**
40
41

42
43 _____
44 Dexter W. Lehtinen
45 Village Attorney

1 FINAL VOTE AT ADOPTION:
2
3 Council Member Karyn Cunningham _____
4
5 Council Member Tim Schaffer _____
6
7 Council Member Larissa Siegel Lara _____
8
9 Vice-Mayor John DuBois _____
10
11 Mayor Eugene Flinn _____

WILLIAMS



OFFICE: 11300 N.W. SOUTH RIVER DRIVE, MEDLEY, FL 33178

Paving Co., Inc.

TELEPHONE: 305-882-1950
FAX: 305-882-1966

Village of Palmetto Bay
9495 SW 180TH ST
Palmetto Bay, FL 33157

Date: 07/27/2016
Phone: (305) 969-5011
Fax: (305) 969-5091

Attn: Danny Casals

Project: Asphalt Speed Tables

Locations: Sw 87th Ct & Sw 168th St, Sw 84th St & Sw 168th St, Sw 86th St & Sw 172nd St
& Sw 174th St & Sw 84th Ave

Plans & Specs by: Corradino
Sheets: 6 OF 7
Dated: N/A
Revisions: None to Date

Description	Qty	Units	SubTotal
CONSTRUCTION OF ASPHALT SPEED TABLE	1.00	EA	\$5,985.00
GRAND TOTAL			\$5,985.00

ADDITIONAL NOTES OR EXCLUSIONS:

1. QUOTED USING ROAD FULL ROAD CLOSURE.
2. NO STAMPED ASPHALT WAS QUOTED ABOVE.
3. THE ABOVE QUOTED IS PER EACH SPEED TABLE.
4. NO BOND WAS INCLUDED IN THE ABOVE QUOTE.

REMARKS: WILLIAMS PAVING CO., SHALL NOT BE HELD RESPONSIBLE FOR THE FOLLOWING UNLESS SPECIFIED ABOVE.

- Notes
- 1) Broken Sidewalks.
 - 2) Damaged underground installations not marked.
 - 3) Water ponding or grass growing through resurface jobs.
 - 4) Permits, testing, asbuilts, and permit processing.
 - 5) Sodding, topsoil, landscape area fill and grading.
 - 6) Clearing, grubbing, demolition, and soil treatment
 - 7) All fill quantities are based on owner supplied Topo, No demucking is included unless soil borings are provided.
 - 8) Building cut back and footing excavation by others.
 - 9) Removal or disposal of contaminated material, debris or tires.
 - 10) All proposals are based on one mobilization, please advise if additional are required.
 - 11) Above prices are based on a complete job, the price is subject to change if any items are deleted.
 - 12) Unless specified above, subgrade to be provided by others to +/- .10"
 - 13) Material prices are good for six months.
 - 14) Night work, police or security is not included.

WILLIAMS PAVING CO., INC. RESERVES THE RIGHT TO WITHDRAW THIS CONTRACT IF IT IS NOT ACCEPTED WITHIN THIRTY (30) DAYS. Interest at 18% per annum plus legal costs to collect will be charged on past due invoices.

THE ABOVE PROPOSAL IS HEARBY ACCEPTED:

Danny Casals
Village of Palmetto Bay

Javier Gonzalez
Williams Paving Co., Inc.

Traffic Survey Specialists, Inc. Daily Westbound Speeds (MPH)

Study Date: Thursday, 08/25/2016

Unit ID: California

Location: SW 148th Street East of SW 89th Avenue

Posted Speed: 30

Comments: Palmetto Bay, Florida

	0-10	10-15	15-20	20-25	25-30	30-35	35-38	38-41	41-44	44-47	47-50	50-53	53-56	56-59	59-99	Total
00:00 - 00:14	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
00:15 - 00:29	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
00:30 - 00:44	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
00:45 - 00:59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00 - 01:14	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
01:15 - 01:29	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
01:30 - 01:44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:45 - 01:59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00 - 02:14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:15 - 02:29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30 - 02:44	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
02:45 - 02:59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00 - 03:14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:15 - 03:29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30 - 03:44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:45 - 03:59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00 - 04:14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:15 - 04:29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30 - 04:44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:45 - 04:59	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
05:00 - 05:14	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
05:15 - 05:29	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	2
05:30 - 05:44	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2
05:45 - 05:59	0	0	0	1	2	3	0	0	0	0	0	0	0	0	0	6
06:00 - 06:14	0	0	1	1	5	1	0	0	0	0	0	0	0	0	0	8
06:15 - 06:29	0	0	1	1	5	0	0	0	0	0	0	0	0	0	0	7
06:30 - 06:44	0	0	1	2	2	4	0	0	0	0	0	0	0	0	0	9
06:45 - 06:59	0	0	0	1	4	4	1	0	0	0	0	0	0	0	0	10
07:00 - 07:14	0	0	0	1	8	12	4	1	1	0	0	0	0	0	0	25
07:15 - 07:29	0	0	0	1	7	7	1	2	1	0	0	0	0	0	0	19
07:30 - 07:44	0	0	0	0	2	4	5	1	0	0	0	0	0	0	0	12
07:45 - 07:59	0	1	1	1	7	8	3	0	0	0	0	0	0	0	0	21
08:00 - 08:14	0	0	0	3	9	9	4	1	0	0	0	0	0	0	0	26
08:15 - 08:29	0	0	1	3	13	9	1	0	0	0	0	0	0	0	0	27
08:30 - 08:44	0	0	0	3	15	9	2	0	0	1	0	0	0	0	0	32
08:45 - 08:59	0	0	1	6	20	19	1	4	0	0	0	0	0	0	0	51
09:00 - 09:14	0	0	1	11	17	9	1	1	1	0	0	0	0	0	0	41
09:15 - 09:29	0	0	1	2	7	9	3	1	1	0	0	0	0	0	0	24
09:30 - 09:44	0	0	0	3	6	10	4	1	1	1	0	0	0	0	0	26
09:45 - 09:59	0	0	0	0	7	13	4	2	0	1	0	0	0	0	0	27
10:00 - 10:14	0	0	0	2	5	9	2	2	1	0	0	0	0	0	0	21
10:15 - 10:29	0	0	0	3	8	8	3	1	0	1	0	0	0	0	0	24
10:30 - 10:44	0	1	1	1	4	10	4	1	0	0	0	0	0	0	0	22
10:45 - 10:59	0	0	0	0	7	5	4	2	0	0	0	0	0	0	0	18
11:00 - 11:14	0	0	0	3	6	10	2	1	0	0	0	0	0	0	0	22
11:15 - 11:29	0	0	0	1	6	10	4	2	0	0	0	0	0	0	0	23
11:30 - 11:44	0	0	1	5	2	5	3	1	1	0	0	0	0	0	0	18
11:45 - 11:59	0	0	1	0	1	2	5	2	0	0	0	0	0	0	0	11
12:00 - 12:14	0	0	0	3	13	9	5	1	0	0	0	0	0	0	0	31
12:15 - 12:29	0	0	0	6	8	12	3	0	1	0	0	0	0	0	0	30
12:30 - 12:44	0	0	0	1	7	7	2	1	2	0	0	0	0	0	0	20

Traffic Survey Specialists, Inc. Daily Westbound Speeds (MPH)

Study Date: Thursday, 08/25/2016

Unit ID: California

Location: SW 148th Street East of SW 89th Avenue

Posted Speed: 30

Comments: Palmetto Bay, Florida

	0-10	10-15	15-20	20-25	25-30	30-35	35-38	38-41	41-44	44-47	47-50	50-53	53-56	56-59	59-99	Total
12:45 - 12:59	0	0	0	0	8	9	6	1	0	0	0	0	0	0	0	24
13:00 - 13:14	0	0	0	2	5	9	1	1	0	0	0	0	0	0	0	18
13:15 - 13:29	0	0	0	0	9	13	2	0	0	0	0	0	0	0	0	24
13:30 - 13:44	0	0	1	0	6	16	2	1	0	0	0	0	0	0	0	26
13:45 - 13:59	0	0	1	2	5	9	2	1	1	0	0	0	0	0	0	21
14:00 - 14:14	0	0	0	4	8	9	1	3	0	0	0	0	0	0	0	26
14:15 - 14:29	0	0	0	1	3	14	3	0	1	0	0	0	0	0	0	22
14:30 - 14:44	0	0	0	2	8	6	1	0	2	2	0	0	0	0	0	21
14:45 - 14:59	0	0	0	0	6	8	5	2	0	1	0	0	0	0	0	22
15:00 - 15:14	0	0	0	4	8	11	2	0	0	0	0	0	0	0	0	25
15:15 - 15:29	0	0	1	2	22	12	6	1	0	0	0	0	0	0	0	44
15:30 - 15:44	0	0	1	3	9	11	5	0	0	0	0	0	0	0	1	30
15:45 - 15:59	0	0	1	2	11	13	2	3	0	0	0	0	0	0	0	32
16:00 - 16:14	0	0	1	3	10	13	3	3	0	0	0	0	0	0	0	36
16:15 - 16:29	0	0	0	4	14	13	7	0	2	1	0	0	0	0	0	41
16:30 - 16:44	0	0	2	0	8	17	4	3	1	0	0	0	0	0	0	35
16:45 - 16:59	0	1	0	3	5	10	4	1	4	0	0	0	0	0	0	28
17:00 - 17:14	0	0	1	4	12	16	6	1	0	0	0	0	0	0	0	40
17:15 - 17:29	0	0	2	3	10	16	3	1	0	0	0	0	0	0	0	35
17:30 - 17:44	0	0	0	4	6	11	1	3	1	0	0	0	0	0	0	28
17:45 - 17:59	0	0	0	3	9	8	2	2	1	0	0	1	0	0	0	26
18:00 - 18:14	0	0	2	0	13	10	2	2	1	0	1	0	0	0	0	31
18:15 - 18:29	0	0	1	1	10	14	3	0	0	1	0	0	0	0	0	30
18:30 - 18:44	0	0	0	3	6	3	7	2	0	0	0	0	0	0	0	21
18:45 - 18:59	0	0	0	3	6	5	2	1	2	0	0	0	0	0	0	19
19:00 - 19:14	0	0	0	1	13	9	1	5	0	0	0	0	0	0	0	29
19:15 - 19:29	0	0	0	1	7	6	4	0	0	1	0	0	0	0	0	19
19:30 - 19:44	0	0	1	2	8	9	0	2	0	0	0	0	0	0	0	22
19:45 - 19:59	0	0	0	2	5	5	1	2	2	0	0	0	0	0	0	17
20:00 - 20:14	0	0	0	1	4	9	2	1	0	0	0	0	0	0	0	17
20:15 - 20:29	0	0	1	1	5	3	0	0	0	0	0	0	0	0	0	10
20:30 - 20:44	0	0	0	2	4	5	3	0	0	0	0	0	0	0	0	14
20:45 - 20:59	0	0	1	4	5	6	2	0	0	0	0	0	0	0	0	18
21:00 - 21:14	0	0	0	2	2	2	0	1	0	0	0	0	0	0	0	7
21:15 - 21:29	0	0	0	2	2	2	1	2	0	0	0	0	0	0	0	7
21:30 - 21:44	0	0	0	0	2	3	1	0	0	0	0	0	0	0	0	6
21:45 - 21:59	0	0	0	1	2	3	1	1	0	0	0	0	0	0	0	8
22:00 - 22:14	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	4
22:15 - 22:29	0	0	0	0	3	4	1	0	0	0	0	0	0	0	0	8
22:30 - 22:44	0	0	0	0	1	2	0	0	0	0	1	0	0	0	0	4
22:45 - 22:59	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
23:00 - 23:14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:15 - 23:29	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2
23:30 - 23:44	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
23:45 - 23:59	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Totals	0	3	31	139	486	571	170	76	32	10	4	1	0	0	1	1524
Percent of Total	0.0	0.2	2.0	9.1	31.9	37.5	11.2	5.0	2.1	0.7	0.3	0.1	0.0	0.0	0.1	100
Percent of AM	0.0	0.4	2.4	10.3	32.3	36.1	11.2	5.1	1.5	0.6	0.2	0.0	0.0	0.0	0.0	100
Percent of PM	0.0	0.1	1.8	8.5	31.7	38.2	11.1	4.9	2.5	0.7	0.3	0.1	0.0	0.0	0.1	100

Traffic Survey Specialists, Inc. Daily Westbound Speeds (MPH)

Study Date: Thursday, 08/25/2016

Unit ID: California

Location: SW 148th Street East of SW 89th Avenue

Posted Speed: 30

Comments: Palmetto Bay, Florida

Standard Deviation: 5.7 MPH
Mean Speed: 31.3 MPH
Median Speed: 31.1 MPH
Modal Speed: 33.0 MPH

Ten Mile Pace: 25 to 34 MPH
Percent in Ten Mile Pace: 69.4%

85th Percentile: 36.5 MPH
15th Percentile: 25.7 MPH
90th Percentile: 38.3 MPH
95th Percentile: 40.5 MPH

Traffic Survey Specialists, Inc. Daily Eastbound Speeds (MPH)

Study Date: Thursday, 08/25/2016

Unit ID: California

Location: SW 148th Street East of SW 89th Avenue

Posted Speed: 30

Comments: Palmetto Bay, Florida

	0-10	10-15	15-20	20-25	25-30	30-35	35-38	38-41	41-44	44-47	47-50	50-53	53-56	56-59	59-99	Total
00:00 - 00:14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:15 - 00:29	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	2
00:30 - 00:44	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	2
00:45 - 00:59	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	4
01:00 - 01:14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:15 - 01:29	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
01:30 - 01:44	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
01:45 - 01:59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00 - 02:14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:15 - 02:29	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
02:30 - 02:44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:45 - 02:59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00 - 03:14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:15 - 03:29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30 - 03:44	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
03:45 - 03:59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00 - 04:14	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	2
04:15 - 04:29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30 - 04:44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:45 - 04:59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00 - 05:14	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
05:15 - 05:29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30 - 05:44	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
05:45 - 05:59	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	3
06:00 - 06:14	0	0	0	2	1	1	1	0	0	0	0	0	0	0	0	5
06:15 - 06:29	0	0	1	2	3	2	1	0	0	0	0	0	0	0	0	9
06:30 - 06:44	0	0	1	1	2	0	0	2	0	0	0	0	0	0	0	6
06:45 - 06:59	0	0	0	4	4	4	1	1	1	0	0	0	0	0	0	15
07:00 - 07:14	0	0	0	2	1	2	5	1	0	1	0	0	0	0	0	12
07:15 - 07:29	0	0	0	2	7	3	0	1	0	0	0	0	0	0	0	13
07:30 - 07:44	1	0	0	3	6	6	2	0	0	0	0	0	0	0	0	18
07:45 - 07:59	0	0	2	1	8	6	0	2	0	0	0	0	0	0	0	19
08:00 - 08:14	0	0	0	4	14	8	2	2	1	0	0	0	0	0	0	31
08:15 - 08:29	0	0	0	6	15	14	1	1	1	0	0	0	0	0	0	38
08:30 - 08:44	0	0	1	3	8	6	1	0	0	0	0	0	0	0	0	19
08:45 - 08:59	0	0	0	3	4	7	1	0	0	0	1	0	0	0	0	16
09:00 - 09:14	0	0	1	5	6	7	1	1	0	1	0	0	0	0	0	22
09:15 - 09:29	0	0	1	4	7	5	0	0	0	0	0	0	0	0	0	17
09:30 - 09:44	0	0	0	2	5	4	0	1	0	0	0	0	0	0	0	12
09:45 - 09:59	0	0	0	4	8	5	0	0	0	0	0	0	0	0	0	17
10:00 - 10:14	0	0	0	1	9	6	0	0	0	0	0	0	0	0	0	16
10:15 - 10:29	0	0	0	4	8	6	0	1	0	0	0	0	0	0	0	19
10:30 - 10:44	0	0	0	4	10	5	0	1	1	0	0	0	0	0	0	21
10:45 - 10:59	0	0	0	2	4	6	1	0	0	0	0	0	0	0	0	13
11:00 - 11:14	0	0	0	2	5	7	3	0	0	0	0	0	0	0	0	17
11:15 - 11:29	0	0	0	3	4	2	1	1	1	0	0	0	0	0	0	12
11:30 - 11:44	0	0	0	0	6	6	2	0	0	0	0	0	0	0	0	14
11:45 - 11:59	0	0	0	1	4	7	1	1	1	0	0	0	0	0	0	15
12:00 - 12:14	0	0	0	2	6	16	2	1	0	0	0	0	0	0	0	27
12:15 - 12:29	0	0	0	2	6	6	1	1	0	0	0	0	0	0	0	16
12:30 - 12:44	0	0	0	2	10	5	1	1	0	0	0	0	0	0	0	19

Traffic Survey Specialists, Inc. Daily Eastbound Speeds (MPH)

Study Date: Thursday, 08/25/2016

Unit ID: California

Location: SW 148th Street East of SW 89th Avenue

Posted Speed: 30

Comments: Palmetto Bay, Florida

	0-10	10-15	15-20	20-25	25-30	30-35	35-38	38-41	41-44	44-47	47-50	50-53	53-56	56-59	59-99	Total
12:45 - 12:59	0	0	0	5	8	11	2	0	0	0	0	0	0	0	0	26
13:00 - 13:14	0	0	0	3	4	9	1	2	0	0	0	0	0	0	0	19
13:15 - 13:29	0	0	0	3	13	12	3	0	0	0	0	0	0	0	0	31
13:30 - 13:44	0	2	1	6	9	10	0	1	1	0	0	0	0	0	0	29
13:45 - 13:59	0	1	1	2	6	8	3	2	0	0	0	0	0	0	0	23
14:00 - 14:14	0	0	1	2	5	7	3	1	1	0	0	0	0	0	0	20
14:15 - 14:29	0	0	0	3	6	9	2	0	2	0	0	0	0	0	0	22
14:30 - 14:44	0	0	0	1	7	10	2	1	0	0	0	1	0	0	0	22
14:45 - 14:59	0	1	0	1	11	6	2	2	1	0	0	0	0	0	0	24
15:00 - 15:14	0	0	1	2	11	6	3	0	0	0	0	0	0	0	0	23
15:15 - 15:29	0	0	0	6	10	9	3	0	0	0	0	0	0	0	0	28
15:30 - 15:44	0	1	0	7	7	7	2	0	0	0	0	0	0	0	0	24
15:45 - 15:59	0	0	0	6	6	9	3	1	0	0	0	0	0	0	0	24
16:00 - 16:14	0	0	0	3	11	12	3	0	0	1	0	0	0	0	0	30
16:15 - 16:29	0	0	0	2	12	6	2	0	1	0	0	0	0	0	0	22
16:30 - 16:44	0	0	1	11	12	7	1	1	1	0	0	0	0	0	0	34
16:45 - 16:59	0	2	1	5	11	11	3	0	0	0	0	0	0	0	0	33
17:00 - 17:14	0	0	1	5	14	10	1	1	0	0	0	0	0	0	0	32
17:15 - 17:29	0	0	0	4	11	10	1	0	0	1	0	0	0	0	0	27
17:30 - 17:44	0	0	1	4	9	6	1	0	0	0	0	0	0	0	0	21
17:45 - 17:59	0	0	0	6	10	4	1	1	1	0	0	0	0	0	0	23
18:00 - 18:14	0	0	0	1	6	2	2	0	1	0	0	0	0	0	0	12
18:15 - 18:29	0	0	1	2	12	14	0	0	1	0	0	0	0	0	0	30
18:30 - 18:44	0	0	0	3	9	6	3	3	1	0	0	0	0	0	0	26
18:45 - 18:59	0	0	0	6	9	2	2	3	0	0	0	0	0	0	0	22
19:00 - 19:14	0	0	1	1	6	7	3	1	0	0	0	0	0	0	0	19
19:15 - 19:29	0	0	2	0	5	14	1	0	0	0	0	0	0	0	0	22
19:30 - 19:44	0	0	0	1	8	2	1	1	0	1	0	0	0	0	0	14
19:45 - 19:59	0	0	0	1	9	6	3	0	0	0	0	0	0	0	0	19
20:00 - 20:14	0	0	0	1	10	4	1	0	0	2	0	0	0	0	0	18
20:15 - 20:29	1	0	0	0	5	9	1	2	0	0	0	0	0	0	0	18
20:30 - 20:44	0	0	2	2	10	3	1	0	0	0	0	0	0	0	0	18
20:45 - 20:59	0	0	1	2	3	2	3	0	0	0	0	0	0	0	0	11
21:00 - 21:14	0	0	0	2	5	6	2	0	1	0	0	0	0	0	0	16
21:15 - 21:29	0	0	0	0	2	4	1	0	0	0	0	0	0	0	0	7
21:30 - 21:44	0	0	1	2	3	5	0	0	0	0	0	0	0	0	0	11
21:45 - 21:59	0	0	0	1	5	7	0	0	0	0	0	0	0	0	0	13
22:00 - 22:14	0	0	0	2	2	2	0	0	0	0	0	0	0	0	0	8
22:15 - 22:29	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0	4
22:30 - 22:44	0	0	1	0	4	0	0	1	0	0	0	0	0	0	0	6
22:45 - 22:59	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
23:00 - 23:14	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
23:15 - 23:29	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	3
23:30 - 23:44	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	4
23:45 - 23:59	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
Totals	2	7	24	191	486	436	99	46	19	7	1	1	0	0	0	1319
Percent of Total	0.2	0.5	1.8	14.5	36.8	33.1	7.5	3.5	1.4	0.5	0.1	0.1	0.0	0.0	0.0	100
Percent of AM	0.2	0.0	1.7	16.8	37.4	30.9	6.2	4.3	1.7	0.5	0.2	0.0	0.0	0.0	0.0	100
Percent of PM	0.1	0.8	1.9	13.4	38.6	34.0	8.1	3.1	1.3	0.6	0.0	0.1	0.0	0.0	0.0	100

Traffic Survey Specialists, Inc. Daily Eastbound Speeds (MPH)

Study Date: Thursday, 08/25/2016

Unit ID: California

Location: SW 148th Street East of SW 89th Avenue

Posted Speed: 30

Comments: Palmetto Bay, Florida

Standard Deviation: 5.6 MPH
Mean Speed: 30.1 MPH
Median Speed: 30.4 MPH
Modal Speed: 28.0 MPH

Ten Mile Pace: 25 to 34 MPH
Percent in Ten Mile Pace: 69.9%

85th Percentile: 35.7 MPH
15th Percentile: 25.2 MPH
90th Percentile: 36.6 MPH
95th Percentile: 38.7 MPH

Traffic Survey Specialists, Inc. Daily Total Speeds (MPH)

Study Date: Thursday, 08/25/2016

Unit ID: California

Location: SW 148th Street East of SW 89th Avenue

Posted Speed: 30

Comments: Palmetto Bay, Florida

	0-10	10-15	15-20	20-25	25-30	30-35	35-38	38-41	41-44	44-47	47-50	50-53	53-56	56-59	59-99	Total
00:00 - 00:14	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
00:15 - 00:29	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	4
00:30 - 00:44	0	0	0	0	2	1	0	1	0	0	0	0	0	0	0	4
00:45 - 00:59	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	4
01:00 - 01:14	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
01:15 - 01:29	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	3
01:30 - 01:44	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
01:45 - 01:59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00 - 02:14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:15 - 02:29	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
02:30 - 02:44	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
02:45 - 02:59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00 - 03:14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:15 - 03:29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30 - 03:44	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
03:45 - 03:59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00 - 04:14	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	2
04:15 - 04:29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30 - 04:44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:45 - 04:59	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
05:00 - 05:14	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	3
05:15 - 05:29	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	2
05:30 - 05:44	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	3
05:45 - 05:59	0	0	0	2	3	4	0	0	0	0	0	0	0	0	0	9
06:00 - 06:14	0	0	1	3	6	2	1	0	0	0	0	0	0	0	0	13
06:15 - 06:29	0	0	2	3	8	2	1	0	0	0	0	0	0	0	0	16
06:30 - 06:44	0	0	2	3	4	4	0	2	0	0	0	0	0	0	0	15
06:45 - 06:59	0	0	0	5	8	8	2	1	1	0	0	0	0	0	0	25
07:00 - 07:14	0	0	0	3	7	14	9	2	1	1	0	0	0	0	0	37
07:15 - 07:29	0	0	0	3	14	10	1	3	1	0	0	0	0	0	0	32
07:30 - 07:44	1	0	0	3	8	10	7	1	0	0	0	0	0	0	0	30
07:45 - 07:59	0	1	3	2	15	14	3	2	0	0	0	0	0	0	0	40
08:00 - 08:14	0	0	0	7	23	17	6	3	1	0	0	0	0	0	0	57
08:15 - 08:29	0	0	1	9	28	23	2	1	1	0	0	0	0	0	0	65
08:30 - 08:44	0	0	1	6	23	15	3	2	0	0	1	0	0	0	0	51
08:45 - 08:59	0	0	1	9	24	26	2	4	0	0	1	0	0	0	0	67
09:00 - 09:14	0	0	2	16	23	16	2	2	1	1	0	0	0	0	0	63
09:15 - 09:29	0	0	2	6	14	14	3	1	1	0	0	0	0	0	0	41
09:30 - 09:44	0	0	0	5	11	14	4	2	1	1	0	0	0	0	0	38
09:45 - 09:59	0	0	0	4	15	18	4	2	0	1	0	0	0	0	0	44
10:00 - 10:14	0	0	0	3	14	15	2	2	1	0	0	0	0	0	0	37
10:15 - 10:29	0	0	0	7	16	14	3	2	0	1	0	0	0	0	0	43
10:30 - 10:44	0	1	1	5	14	15	4	2	1	0	0	0	0	0	0	43
10:45 - 10:59	0	0	0	2	11	11	5	2	0	0	0	0	0	0	0	31
11:00 - 11:14	0	0	0	5	11	17	5	1	0	0	0	0	0	0	0	39
11:15 - 11:29	0	0	0	4	10	12	5	3	1	0	0	0	0	0	0	35
11:30 - 11:44	0	0	1	5	8	11	5	1	1	0	0	0	0	0	0	32
11:45 - 11:59	0	0	1	1	5	9	6	3	1	0	0	0	0	0	0	26
12:00 - 12:14	0	0	0	5	19	25	7	2	0	0	0	0	0	0	0	58
12:15 - 12:29	0	0	0	8	14	18	4	1	1	0	0	0	0	0	0	46
12:30 - 12:44	0	0	0	3	17	12	3	2	2	0	0	0	0	0	0	39

Traffic Survey Specialists, Inc. Daily Total Speeds (MPH)

Study Date: Thursday, 08/25/2016

Unit ID: California

Location: SW 148th Street East of SW 89th Avenue

Posted Speed: 30

Comments: Palmetto Bay, Florida

	0-10	10-15	15-20	20-25	25-30	30-35	35-38	38-41	41-44	44-47	47-50	50-53	53-56	56-59	59-99	Total
12:45 - 12:59	0	0	0	5	16	20	8	1	0	0	0	0	0	0	0	50
13:00 - 13:14	0	0	0	5	9	18	2	3	0	0	0	0	0	0	0	37
13:15 - 13:29	0	0	0	3	22	25	5	0	0	0	0	0	0	0	0	55
13:30 - 13:44	0	2	2	5	15	26	2	2	1	0	0	0	0	0	0	55
13:45 - 13:59	0	1	2	4	11	17	5	3	1	0	0	0	0	0	0	44
14:00 - 14:14	0	0	1	6	13	16	4	4	1	0	0	0	0	0	0	45
14:15 - 14:29	0	0	0	4	9	23	5	0	3	0	0	0	0	0	0	44
14:30 - 14:44	0	0	0	3	15	16	3	1	2	2	0	1	0	0	0	43
14:45 - 14:59	0	1	0	1	17	14	7	4	1	1	0	0	0	0	0	46
15:00 - 15:14	0	0	1	6	19	17	5	0	0	0	0	0	0	0	0	48
15:15 - 15:29	0	0	1	8	32	21	9	1	0	0	0	0	0	0	0	72
15:30 - 15:44	0	1	1	10	16	18	7	0	0	0	0	0	0	0	1	54
15:45 - 15:59	0	0	1	7	17	22	5	4	0	0	0	0	0	0	0	56
16:00 - 16:14	0	0	1	6	21	25	6	3	3	1	0	0	0	0	0	66
16:15 - 16:29	0	0	0	6	26	18	9	0	3	1	0	0	0	0	0	63
16:30 - 16:44	0	0	3	11	20	24	5	4	2	0	0	0	0	0	0	69
16:45 - 16:59	0	3	1	8	16	21	7	1	4	0	0	0	0	0	0	61
17:00 - 17:14	0	0	2	9	26	26	7	2	0	0	0	0	0	0	0	72
17:15 - 17:29	0	0	2	7	21	26	4	1	0	1	0	0	0	0	0	62
17:30 - 17:44	0	0	1	8	16	17	2	3	1	0	0	0	0	0	0	47
17:45 - 17:59	0	0	0	9	19	12	3	3	2	0	0	1	0	0	0	49
18:00 - 18:14	0	0	2	1	19	12	4	2	2	0	1	0	0	0	0	43
18:15 - 18:29	0	0	2	3	22	28	3	0	1	1	0	0	0	0	0	60
18:30 - 18:44	0	0	0	6	15	9	10	5	1	0	0	0	0	0	0	46
18:45 - 18:59	0	0	0	9	15	7	4	4	2	0	0	0	0	0	0	41
18:00 - 19:14	0	0	1	2	19	16	4	6	0	0	0	0	0	0	0	48
19:15 - 19:29	0	0	2	1	12	20	5	0	0	1	0	0	0	0	0	41
19:30 - 19:44	0	0	1	3	16	11	1	3	0	1	0	0	0	0	0	36
19:45 - 19:59	0	0	0	3	14	11	4	2	2	0	0	0	0	0	0	36
20:00 - 20:14	0	0	0	2	14	13	3	1	0	2	0	0	0	0	0	35
20:15 - 20:29	1	0	1	1	10	12	1	2	0	0	0	0	0	0	0	28
20:30 - 20:44	0	0	2	4	14	8	4	0	0	0	0	0	0	0	0	32
20:45 - 20:59	0	0	2	6	8	8	5	0	0	0	0	0	0	0	0	29
21:00 - 21:14	0	0	0	4	7	8	2	1	1	0	0	0	0	0	0	23
21:15 - 21:29	0	0	0	0	4	6	2	2	0	0	0	0	0	0	0	14
21:30 - 21:44	0	0	1	2	5	8	1	0	0	0	0	0	0	0	0	17
21:45 - 21:59	0	0	0	2	7	10	1	1	0	0	0	0	0	0	0	21
22:00 - 22:14	0	0	1	3	3	3	0	0	0	0	0	0	0	0	0	10
22:15 - 22:29	0	0	0	0	4	7	1	0	0	0	0	0	0	0	0	12
22:30 - 22:44	0	0	1	0	5	2	0	1	0	0	1	0	0	0	0	10
22:45 - 22:59	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	3
23:00 - 23:14	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
23:15 - 23:29	0	0	0	1	0	1	1	0	0	1	1	0	0	0	0	6
23:30 - 23:44	0	0	0	1	0	3	2	0	0	0	0	0	0	0	0	6
23:45 - 23:59	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	2
Totals	2	10	55	330	972	1007	289	122	51	17	5	2	0	0	1	2943
Percent of Total	0.1	0.4	1.9	11.6	34.2	35.4	9.5	4.3	1.8	0.6	0.2	0.1	0.0	0.0	0.0	100
Percent of AM	0.1	0.2	2.1	13.1	34.6	33.9	9.0	4.8	1.6	0.5	0.2	0.0	0.0	0.0	0.0	100
Percent of PM	0.1	0.4	1.9	10.8	34.0	36.2	9.7	4.0	1.9	0.6	0.2	0.1	0.0	0.0	0.1	100

Traffic Survey Specialists, Inc. Daily Total Speeds (MPH)

Study Date: Thursday, 08/25/2016

Unit ID: California

Location: SW 148th Street East of SW 89th Avenue

Comments: Palmetto Bay, Florida

Posted Speed: 30

Standard Deviation: 5.7 MPH
Mean Speed: 30.7 MPH
Median Speed: 30.3 MPH
Modal Speed: 33.0 MPH

Ten Mile Pace: 25 to 34 MPH
Percent in Ten Mile Pace: 69.6%

85th Percentile: 35.6 MPH
15th Percentile: 25.2 MPH
90th Percentile: 37.7 MPH
95th Percentile: 39.8 MPH

EXHIBIT B



1.



2.



3.

