

RESOLUTION NO. 07-108

A RESOLUTION OF THE MAYOR AND VILLAGE COUNCIL OF THE VILLAGE OF PALMETTO BAY, FLORIDA, RELATING TO A TRAFFIC CALMING IMPROVEMENTS IN THE VILLAGE OF PALMETTO BAY; AUTHORIZING THE VILLAGE MANAGER TO ENTER INTO CONTRACT WITH THE CORRADINO GROUP, INC. TO PROVIDE PLANNING SERVICES FOR PERMANENT TRAFFIC CALMING DEVICES ON SW 174TH ST BETWEEN US-1 AND SW 90TH AVENUE AND THE INTERSECTION OF SW 148TH STREET AND SW 82TH AVE TO APPROVE EXPENDITURE OF FUNDS IN AN AMOUNT NOT TO EXCEED \$20,023.00; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, the Village has identified the need for traffic calming in the area of SW 174th Street between US-1 and SW 90th Avenue and at the intersection of SW 148th Street and SW 82nd Avenue, and

WHEREAS, these specific projects are candidates for street flow modifications and should redirect non-local traffic onto main arterials and reserve local streets for local traffic; and

WHEREAS, the Administration has determined that The Corradino Group is a very capable firm and has been pre-qualified to provide traffic calming planning services for the Village of Palmetto Bay; and

WHEREAS, The Corradino Group has completed multiple traffic calming studies for the Village of Palmetto Bay; and

WHEREAS, the Administration desires to select The Corradino Group to analyze the traffic conditions on the subject roadway and intersection; and

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

Section 1: The Village Manager is authorized to contract for Traffic Engineering Services with The Corradino Group and approve expenditure of funds in an amount not to exceed \$20,023.00 to analyze the traffic conditions traffic calming improvement project that will substantially improve the traffic conditions in the area of in the area of SW 174th Street between US-1 and SW 90th Avenue and at the intersection of SW 148th Street and SW 82nd Avenue within the Village of Palmetto Bay.

Section 2: This Resolution shall take effect immediately upon approval.

PASSED and ADOPTED this 1st day of October, 2007.

ATTEST: Meighan Rader
Meighan Rader
City Clerk

APPROVED: Eugene P. Flinn, Jr.
Eugene P. Flinn, Jr.
Mayor

READ AND APPROVED AS TO FORM:

Eve A. Bouffis
Eve A. Bouffis
Village Attorney

FINAL VOTE AT ADOPTION:

Council Member Ed Feller	<u>YES</u>
Council Member Paul Neidhart	<u>YES</u>
Council Member John Breder	<u>YES</u>
Vice-Mayor Linda Robinson	<u>YES</u>
Mayor Eugene P. Flinn, Jr.	<u>YES</u>

Village of Palmetto Bay Planning Services

Submitted to:

Village of Palmetto Bay, Florida



Submitted by:

The Corradino Group, Inc.

October 1st, 2007

Ms. Corrice Patterson, Director of Public Works
VILLAGE OF PALMETTO BAY
8950 SW 152nd Street
Palmetto Bay, FL 33157

RE: PROPOSAL TO PROVIDE PLANNING SERVICES
FOR SW 174 ST NEIGHBORHOOD TRAFFIC CALMING STUDY BETWEEN US-1 AND SW
90TH AVENUE AND A PERMANENT TRAFFIC CIRCLE/ROUNDBOUT AT THE INTERSECTION
OF SW 148TH ST & SW 82 AVE
VILLAGE OF PALMETTO BAY, FLORIDA

Dear Ms. Paterson:

Corradino understands that the Village desires to analyze the traffic conditions on the subject roadway and intersection. If warranted through the analysis the Village also desires to select, plan, design and construct roadway improvements in the form of traffic calming on these roadway facilities.

These locations are candidates for street flow modification, as represented in the Palmetto Bay Traffic Calming Report, the Palmetto Bay Transportation Master Plan and public input. This proposal provides the scope of services and cost provide the necessary traffic planning and engineering due diligence and justification as required to approve and locate these devices prior to formal design, which will be bid when a final palate of devices is selected.

I look forward to the expedited implementation of these elements.

Sincerely,
THE CORRADINO GROUP, INC.

Joseph M. Corradino, AICP
Executive Vice President

Village of Palmetto Bay
 Village of Palmetto Bay
 Traffic Engineering Studies

Traffic Calming on SW 174th Street between 90th Ave and US-1
 &
 Traffic Circle/Roundabout at 148th Street and 82nd Avenue Intersection

The Village of Palmetto Bay has received numerous concerns from its residents regarding excessive vehicular speeds and non-residential traffic intrusion through the above referenced roadway portion and intersection. High vehicular speeds as well as increased traffic volumes present safety issues and concerns as well as diminishing the quality of life through these residential neighborhoods.

The Village wishes to determine the feasibility of providing traffic calming devices at these locations to address the safety and traffic intrusion concerns and has requested The Corradino Group to prepare and submit a scope of services/price proposal to perform the study.

Corradino is pleased to submit the following scope/price proposal.

Task 1 SW 174th Street (US-1 to 90th Ave) Traffic Calming Total Cost \$7,560

This project will analyze the subject locations to determine if there is a need for traffic calming. It includes consultation with the Village and neighbors to discuss options. If traffic calming is warranted, devices will be selected and conceptually located, and a justification report will be written. Formal design will be initiated in a subsequent phase at the discretion of the Village. The following tasks are what are necessary to complete the job.

Task 1.1 Minimum Threshold Justifications / Analysis (\$4,000)

To appropriately justify traffic claming, a minimum *traffic volume threshold* and one of 6 other criterion must be met.

- Minimum traffic volume must be:
 - a. Between 1,500 vpd Local Street and 3,000 vpd Collector (150 and 300 vehicles in the peak hours). Traffic volumes within a municipality could be reduced to a total of 30%.
- In addition, at least one of the following Criterion must be met:
 - a. 85th Percentile Speed must be at least 10 mph over the posed speed limit or 5 mph within a municipal boundary.
 - b. Correctable Accidents per year, must be three (1500 vpd) or more than six (3000 vpd)
 - c. Cut through traffic must be more than 25% of total volume (1500 vpd) or 50% (3000 vpd)

- d. Pedestrian crossing volume must be more than 25 per day (1500 vpd) or 50 per day (3000 vpd)
- e. 2/3 of total number of affected residents must concur through signing a petition
 - i. for mid block calming, total residents include all property owners / residents between adjacent intersection
 - ii. for intersection calming, total residents include all property owners / residents from subject intersection to next intersections of all legs.

To justify devices, research of potential applications as well as data collection, field observations and analyses will be performed. Research and analysis will focus on traffic counts, speeding and cut through traffic. If the threshold is not met, additional criteria will be examined. A report will be written which justifies the need by acceptable standards.

Task 1.2 Traffic Counts (\$ 1560)

Fresh data will be collected from which to base the analysis. This will include traffic counts and speed counts.

Traffic counts for 72 hour volumes cost \$390 per count. Speed counts also cost \$390. Turning movement counts cost \$360

The following locations have been selected for 72 hours traffic volume counts and 72 hours speed counts.

SW 174th Street east of US-1 and SW 174th Street west of 90th Ave.

Task 1.3 Selection of Devices (\$2,000)

An explanation of the rationale for the selection of the recommended device will be provided. Corradino will accompany the Village to one meeting with the neighbors where a full presentation of the findings will be delivered, as well as a menu of appropriate traffic calming devices presented. One meeting with the Village Council will be attended to present findings and gain formal approval.

Task 2 148th Street / 82nd Avenue Traffic Circle/Roundabout Total Cost \$8863

Task 2.1 Data Collection (\$2863)

A variety of data will be collected to support an analysis which will determine if such a device will have a positive effect of traffic flow at this location. Traffic counts for 72 hours cost \$390 per location and 4-hours turning movement counts cost \$523 per intersection. Traffic counts will be collected as follows:

- 82nd Ave/148th St Intersection Turning Movement Counts AM & PM peak periods (7 to 9 am and 5 to 7 pm)
- 72 hour traffic volume counts will be obtained at the following locations:
 - SW 148th St west of 82nd Ave
 - SW 82nd Ave north and south of 148th St
 - SW 146th St east of 82nd Ave

Task 2.2 Analyses (\$6000)

The analysis will determine if the traffic circle or roundabout will have a positive impact on the flow of traffic in the area through an examination of capacity and level of service at the intersection and along the roadway segments (links) leading to the intersection. The impact of diverted traffic if any shall be quantified. This may include traffic diverted from the intersection. The analysis shall consist of:

- Intersection Analysis: AM / PM peak hours Capacity / Level of Service for existing & proposed conditions.
 - 148th St / 82nd Ave
- Link Analysis: AM / PM peak hour Capacity / Level of Service for existing & proposed conditions.
 - SW 148th St east and west of 82nd Ave
 - SW 82nd Ave north and south of 148th St
 - SW 146 St west of 82nd Ave
- Determine impacts due to trip diversion.
- Field reviews verifying analysis and assess existing conditions
- Report summarizing results

Task 3 Approval Process (\$1800)

As this request falls on a section line road within Palmetto Bay, will coordinate the reviews with required emergency and municipal service entities, as necessary (police, fire, municipal waste, public schools). Corradino and the Village will recommend reviewing agencies, and facilitate reviews one on one. Approval will generally be granted if no concerns are received, which cannot be resolved. MDCPW will be notified of approval or denial. As a matter of policy, MDCPW's Traffic Flow Modification/Street Closure Procedure Manual recommends concurrence from two-thirds of the affected property owners. Palmetto Bay shall assess whether this is necessary, and if so, notification and involvement should be undertaken by the Village.

Task 4 Meetings / Presentation (\$1800)

Corradino will prepare all necessary graphics and present the recommendation at one Village Council Meeting

Summary of Costs

Task 1 = \$ 7,560

Task 2 = \$ 8,863

Task 3 = \$ 3,600

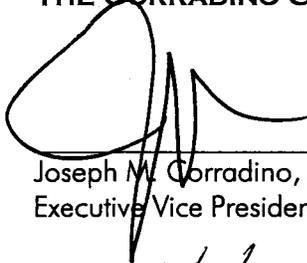
Total Cost = \$ 20,023

CORRADINO

Upon approval by Village Council, the design phase should be entered into.

If the terms meet with your approval, please sign below and return one original as Notice to Proceed. Thank you for this opportunity to provide the Village with service.

Sincerely,
THE CORRADINO GROUP, INC.



Joseph M. Corradino, AICP
Executive Vice President

Date: 10/11/07

Accepted,
VILLAGE OF PALMETTO BAY



Corrice Patterson
Director of Public Works

Date: 10/10/07