

RESOLUTION NO. 07-107

A RESOLUTION OF THE MAYOR AND VILLAGE COUNCIL OF THE VILLAGE OF PALMETTO BAY, FLORIDA, RELATING TO PERMANENT TRAFFIC CALMING DEVICES ON SW 92ND AVE. FROM SW 174TH STREET TO SW 184TH STREET IN THE VILLAGE OF PALMETTO BAY; AUTHORIZING THE VILLAGE MANAGER TO ENTER INTO CONTRACT WITH THE CORRADINO GROUP, INC. TO PROVIDE DESIGN AND CONSTRUCTION MANAGEMENT SUPPORT SERVICES FOR THIS AREA; AND TO APPROVE EXPENDITURE OF FUNDS IN AN AMOUNT NOT TO EXCEED \$92,306.00 AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, the Village contracted with The Corradino Group to provide a Traffic Calming Study in the area of SW 92nd Avenue from SW 174th Street to SW 184th Street in the Village of Palmetto Bay; and

WHEREAS, data collected as part of the Traffic Calming Study conducted by The Corradino Group identified the need for permanent traffic calming devices in the area of SW 176th Street, SW 180th Street and between SW 181st Terrace and SW 182nd Street on SW 92nd Avenue in the Village of Palmetto Bay; and

WHEREAS, based on the traffic calming analysis and field observations the report recommends the installation of traffic circles/roundabouts at the intersections and a chicane between SW 181st Terrace and SW 182nd Street; and

WHEREAS, the traffic calming devices will be designed in accordance with the Village's Traffic Calming Study Plan and the design will provide for necessary right-of-way repairs; and,

WHEREAS, the traffic calming devices will address existing traffic conditions regarding speeding and traffic intrusion along SW 92nd Avenue and have a positive impact on the flow of traffic from SW 174th Street to SW 184th Street; and,

WHEREAS, the Administration has determined that The Corradino Group is a very capable firm and qualified to provide traffic calming design and construction management support services for the implementation of traffic calming devices in the area of SW 92nd Avenue from SW 174th Street to SW 184th Street within the Village of Palmetto Bay; and

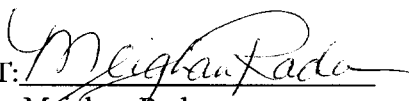
WHEREAS, the Administration desires to select, The Corradino Group to provide design and construction management support for the implementation of traffic calming devices in accordance with the Traffic Calming Study Plan for SW 176th Street, SW 180th Street and between SW 181st Terrace and SW 182nd Street on SW 92nd Avenue and in accordance with the established guidelines and procedures utilized by Miami- Dade County Public Works Department, and the Florida Department of Transportation; and,

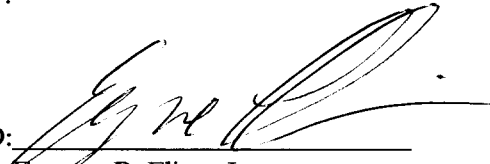
NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND VILLAGE COUNCIL OF THE VILLAGE OF PALMETTO BAY, FLORIDA, AS FOLLOWS:

Section 1: 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 \$92,306.00 for the design and construction management support of traffic calming devices to enhance the flow of traffic in the area of SW 92nd Avenue from SW 174th Street to SW 184th Street within the Village of Palmetto Bay.

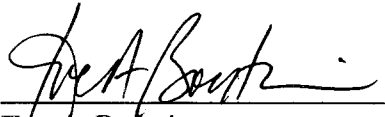
Section 2: This Resolution shall take effect immediately upon approval.

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

ATTEST: 
Meighan Rader
Village Clerk

APPROVED: 
Eugene P. Flinn, Jr.
Mayor

READ AND APPROVED AS TO FORM:


Eye A. Boutsis
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
SCOPE OF WORK
"Permanent Traffic Calming Devices"**

PROJECT UNDERSTANDING

The scope of this work order will include professional civil engineering services, topographic survey, geotechnical testing, and landscape architectural services to prepare design plans, specifications, contract documents, and construction assistance for proposed permanent Traffic Calming Devices on SW 92nd Ave. from SW 176th St to SW 182nd St.

The scope also includes providing assistance to the Client during the regulatory/permitting phase, bidding and contractor selection process, and construction phase and closeout of the project. The design will provide for the necessary drainage system improvements and associated right-of-way repair, as needed.

The project will consist of one (1) Traffic circle/roundabout at the intersection of SW 92nd Av & SW 176th St, one (1) Traffic circle/roundabout at the intersection of SW 92nd Av & SW 180th St, and one (1) Traffic chicane between SW 181st Te and SW 182nd Av in accordance with the Village of Palmetto Bay Traffic Calming Study Plan.

The following is our scope of services and schedule of fees:

Task 01 - DESIGN AND PERMITTING PHASE:

- A. Attend "kick-off" meeting and initial coordination with the Village of Palmetto Bay Public Works Department.
- B. Perform and submit drainage analysis and design, with engineering calculations.
- C. Attend pre-application meeting with Miami-Dade County Public Works Traffic Section to discuss proposed traffic calming improvements.
- D. Prepare design plans for proposed drainage improvements to include roadway resurfacing.
- E. Prepare design plans for traffic calming improvements at the above-referenced locations.
- F. Prepare landscape plans for proposed traffic calming improvements at the referenced locations.
- G. Attend one hearing before Village of Palmetto Bay relative to proposed landscaping improvements, as needed.
- H. Provide technical criteria and submit for permits from applicable regulatory agencies with jurisdiction over the project.
- I. Provide update Engineer's Opinion of Probable Construction Cost.
- J. Prepare Construction Contract Agreement & Design Specification Document (Project Manual).
- K. Furnish 95% complete plans and Project Manual, present and attend one meeting to review the project with the Village's Public Works Director and/or staff.
- L. Furnish 6 copies of final plans and project manual to the Engineering & Construction Department.

The fee for the Design and Permitting Phase of the project will be Lump Sum amount of \$54,185.

Task 02 - BID AND CONSTRUCTION PHASE (Estimated at 6 Month Duration):

- A. Provide bid advertisement documents, respond to bidders' questions and attend pre-bid conference.
- B. Prepare addenda to Bid Documents, if required.
- C. Attend Bid Opening.
- D. Tabulate and evaluate bids received, check references of responsible lowest bidder and make recommendation.
- E. Assist in obtaining and reviewing documents needed to execute the contract between the Village and the contractor.
- F. Attend Pre-construction conference.
- G. Perform Construction Engineering Observations (up to twice per week, not to exceed 24 weeks or six [6] months).
- H. Review and approve / disapprove shop drawings.
- I. Review Contractors' Application for payment and submit recommendation to the Engineering & Construction Director.
- J. Perform project closeout with contractor, Final Inspection, Punch List, Final Application for Payment review and submit Certificate of Completion.
- K. Assist the Village in securing "As-built" from the contractor in both reproducible and electronic formats.

The fee for the Bid & Construction Phase of the project will be a Lump Sum amount of \$23,639.

Task 03 - TOPOGRAPHY SURVEY:

Perform Topography Survey of the above referenced roadway intersection. Three sets of the survey drawings are to be provided signed and sealed by Professional Land Surveyor registered in the State of Florida. Electronic drawing (dwg) files of the survey drawings are also to be provided in AutoCAD format.

The fee for the Engineering Route Survey Phase of the project is a Lump Sum amount of \$9,800.

Task 04- GEOTECHNICAL SERVICES:

Perform four SFWMD Constant-head, Usual Open Hole Tests, four 6ft. deep Auger borings, and one asphalt pavement core.

The fee for the Geotechnical Services Phase of the project will be a Lump Sum amount of \$4,682.

The total fee for the professional civil engineering services indicated in this Service Order is a Lump Sum amount of \$92,305.

We will provide the services outlined in Task 01 through 04 in an expeditious and orderly manner to meet the schedule mutually agreed to by the Village and The Corradino Group for the various elements of the project.

INFORMATION PROVIDED BY THE CLIENT

The following items are to be provided by the Village:

1. Permit application fees. (As required)
2. Coordination with property owners having encroachments in the Village's right of way.

CLOSURE

The terms and conditions of the "Continuing Services Agreement" between the Village and The Corradino Group (Corradino) shall govern this scope of services.

If you concur with the foregoing and wish to direct us to proceed with the aforementioned services, please issue a Notice to Proceed in writing to Corradino referencing this document as Exhibit "A". Fees and time stated in this agreement are valid for sixty (60) days after the date of issuance by Corradino.

I appreciate this opportunity to submit a letter agreement. Please contact me or Rodrigo Pigna at (305) 594.0735 if you have any questions.

Very truly yours,

THE CORRADINO GROUP



 Joseph M. Corradino, AICP
 Executive Vice President

Date: 9-21-07

VILLAGE OF PALMETTO BAY

 Corrice Patterson
 Public Works Director

Date: _____

Attachment: Man-Hour Estimate

THE CORRADINO GROUP

ESTIMATE OF WORK EFFORT AND FEE

TWO TRAFFIC CIRCLES AND ONE CHICANE ON SW 92ND AVENUE
BETWEEN SW 176TH STREET AND SW 182ND STREET (VILLAGE OF PALMETTO BAY)

DATE OF ESTIMATE:
Friday, September 21, 2007

DEPARTMENT: ROADWAY
 CONSULTANT

LENGTH: Intersection
The Village of Palmetto Bay

Prepared for:

The Village of Palmetto Bay

CLASSIFICATION:	MANHOURS:						TOTAL WORK EFFORT Manhours	LABOR HOURLY RATE	ESTIMATED COST
	MH-A Roadway Plans	MH-B Signing & Pavement Marking Plans	MH-C Signalization Plans	MH-D LA Plans	MH-E Bidding Phase Services				
PRINCIPAL ENGINEER	19.1	2.6	0.0	5.5			27.2	\$170.00	\$4,617.20
PROJECT MANAGER	38.1	5.2	0.0	11.0			54.3	\$150.00	\$8,148.00
SENIOR ENGINEER	76.2	10.4	0.0	22.0			108.6	\$130.00	\$14,123.20
DESIGN	114.4	15.6	0.0	33.0			163.0	\$100.00	\$16,296.00
CADD DESIGN DRAFTER	114.4	15.6	0.0	33.0			163.0	\$60.00	\$9,777.60
SENIOR SUPPORT STAFF	19.1	2.6	0.0	5.5			27.2	\$45.00	\$1,222.20
								SUB-TOTAL	\$54,184.20
DATA PROCESSING / CLERICAL							30.7	\$45.00	\$1,381.50
CONSTRUCTION MANAGER							61.4	\$100.00	\$6,140.00
CONSTRUCTION INSPECTION							214.9	\$75.00	\$16,117.50
								SUB-TOTAL	\$23,639.00
TOTALS	381	52	0	110	307		850		\$77,823.20

TASK SHEET TOTALS	381	52	-	110	307				LUMP SUM FEE
									\$77,823.20
TOTAL CONTRACT FEE COMPUTATIONS									
1. Basic Activities & Cost Elements & Additives									
2. Subconsultant Basic Activities									
a. Survey									
b. Geotech									
c. Expenses Out-of-Pocket									
GRAND TOTAL:									\$92,305.2

NOTES:
Survey Work - By P(3)SM, L.L.C.
Geotechnical Work - PSI
Permit / Impact Fees Not Included
Estimated Direct Reimbursables (Out-of-Pocket) Not Included

ESTIMATOR & TITLE:
Favio A. Laverde, Project Manager
THE CORRADINO GROUP

TASK LIST - TASK A ROADWAY IMPROVEMENTS

ACTIVITY: A. Roadway Plans Package

SUBACTIVITY: 1. Design Analysis

SUBACTIVITY	BASIS OF ESTIMATE	NO. OF UNITS	HOURS/UNIT	NO. OF SHEETS	TOTAL HOURS	CADD HOURS	REMARKS
1. Alternate Typical Section Package (Max of 2)	EA						
2. Master Plan (1" = 40')	SHT	3	8	3	24	16	
3. Update Access Management	L.S.				0		Not applicable
4. Field Survey Coordination	L.S.	1	8	8	8		Coordinate work with surveyor. Prepare detailed survey request.
5. Traffic Analysis	L.S.				0		Not applicable.
6. Pavement Design Package	L.S.				0		
7. Contract File (set-up and maintenance)	L.S.	1	14	14	14		2 hours set-up and 4 hours/month
8. Computation of Quantities	L.S.	1	16	16	16		
9. Engineer's Opinion of Cost	L.S.	1	4	4	4		
10. Project Manual (Specifications)	L.S.	1	16	16	16		
					0		
SUBTOTAL				3	82	16	
11. Quality Control	5%				4		
12. Supervision	5%				4		
13. Field Reviews	EA	1	8	8	8		1 Reviews, 4 Hrs/EA x 2 People
14. Meetings and Coordination	EA	3	2	2	6		1 meeting/month @ 2 hours each.
TOTAL FOR DESIGN ANALYSIS				3	104	16	

TASK LIST - TASK A ROADWAY IMPROVEMENTS

ACTIVITY: A. Roadway Plans Package

SUBACTIVITY: 2. Drainage Analysis

SUBACTIVITY	BASIS OF ESTIMATE	NO. OF UNITS	HOURS/UNIT	NO. OF SHEETS	TOTAL HOURS	CADD HOURS	REMARKS
1. Design of Cross Drains	EA				0		Not applicable.
2. Design of Roadway Ditches	MILE				0		Not applicable.
3. Re-evaluate Design of Outfalls	EA				0		Not applicable.
4. Interchange Drainage Design	EA				0		Not applicable
5. Design of Roadway Drainage System	LS	1	16		16	12	French Drain System with no Emergency Overflow
6. Design of Stormwater Retention/Detention Facility	LS				0		Not applicable
7. Design of Minor Drainage System Improvements	L.S.				0		Not applicable
8. Preparation of Bridge Hydraulics Report (BHR)	L.S.				0		Not applicable
9. Drainage Design Report	L.S.	1	20		20	4	
SUBTOTAL				0	36	16	
10. Quality Control	5%	1			2		
11. Supervision	5%	1			2		
12. Field Reviews	EA	1	2		2		1 Review @ 2 Hrs/EA
13. Progress Meetings	EA				0		Included in subactivity 1
TOTAL FOR DRAINAGE ANALYSIS				0	42	16	

TASK LIST - TASK A ROADWAY IMPROVEMENTS

ACTIVITY: A. Roadway Plans Package

SUBACTIVITY: 4. Interchange

SUBACTIVITY	BASIS OF ESTIMATE	NO. OF UNITS	HOURS/UNIT	NO. OF SHEETS	TOTAL HOURS	CADD HOURS	REMARKS
1. Interchange Analysis/Geometrics	L.S.				0		
2. Interchange Layout (1"=100')	Sheet				0		
3. Interchange Topo Map	Sheet				0		
4. Cross-Section Pattern	Sheet				0		
5. Ramp Termination Details	EA				0		
6. Ramp Profiles	EA				0		
7. Ramp Cross-Sections	EA/Section				0		
8. Cross-Road Plan and Profiles	Sheet				0		
9. Cross-Road Cross-Section	EA/Section				0		
SUBTOTAL				0	0	0	
10. Quality Control	0				0		
11. Supervision	0				0		
12. Field Reviews	EA				0		
13. Progress Meeting	EA				0		
TOTAL FOR INTERCHANGE				0	0	0	

TASK LIST - TASK A ROADWAY IMPROVEMENTS

ACTIVITY: A. Roadway Plans Package

SUBACTIVITY: 6. Traffic Control Plan

SUBACTIVITY	BASIS OF ESTIMATE	NO. OF UNITS	HOURS/ UNIT	NO. OF SHEETS	TOTAL HOURS	CADD HOURS	REMARKS
1. Traffic Control Plan Design Analysis	L.S.	1	16		16	16	
2. Typical Sections	EA	2	4	1	8	4	
3. General Notes / Construction Sequence	LS	1	8		8	8	Information to be included on maintenance of traffic typical section sheet
4. Typical Details	Sheet						
5. Tabulation of Quantities	L.S.						
6. Plan Sheets	Sheet				0		
7. Pavement Markings / Signing Details	Sheet				0		Not applicable
8. Temporary Signal	Sheet				0		Not applicable
SUBTOTAL				1	32		
9. Quality Control	5%	1			2		Not applicable
10. Supervision	5%	1			2		Not applicable
TOTAL FOR TRAFFIC CONTROL PLAN				1	36	28	

TASK LIST - TASK A ROADWAY IMPROVEMENTS

ACTIVITY: A. Roadway Plans Package

SUBACTIVITY: 8. Environmental Services/Permits

SUBACTIVITY	BASIS OF ESTIMATE	NO. OF UNITS	HOURS/UNIT	NO. OF SHEETS	TOTAL HOURS	CADD HOURS	REMARKS
1. Preliminary Field Review	L.S.				0		Not applicable
2. Agency Coordination (includes all phases)	L.S.	1	3	3	3		One meeting with DERM
3. Concurrence from M-DCPW Traffic Department	L.S.	1	16	16	16		Includes meeting with MDCPW
4. Agency Field Review	L.S.				0		Not applicable
5. Prepare Wetland Resource / Dredge & Fill Permit Appl. SFWMD Outfall Sketches	L.S.				0		Not applicable
6. Prepare Stormwater Management and Surface Water Permit Application (SFWMD)	L.S.				0		Not applicable
7. Prepare FDOT Permit Application	L.S.				0		Not applicable
8. Prepare NPDES / EPA Permit Application	L.S.				0		Not applicable.
9. Prepare DERM Permit Application / Package	L.S.	1	8	8	8		DERM permit, includes submittal
10. Prepare Local Permits	L.S.						Not applicable
11. Mitigation Coordination and Meetings	L.S.				0		Not applicable
12. Mitigation Design	L.S.				0		Not applicable
13. Mitigation Plans (includes all phases)	Sheet						Not applicable
SUBTOTAL				0	27	0	
14. Quality Control	5%	1	1	1	1		
15. Supervision	5%	1	1	1	1		
TOTAL FOR ENV. SERVICES/PERMITS				0	29	0	

TASK LIST - TASK B ROADWAY IMPROVEMENTS

ACTIVITY: B. Signing and Pavement Markings

SUBACTIVITY: None

SUBACTIVITY	BASIS OF ESTIMATE	NO. OF UNITS	HOURS/UNIT	NO. OF SHEETS	TOTAL HOURS	CADD HOURS	REMARKS
1. Key Sheet	Sheet				0		Not applicable.
2. General Notes	Sheet	1	4		4		
3. Tabulation of Quantities	L.S.	1	16	1	16	10	Includes tabulation of quantities and placing Quantities on the plan sheet
4. Plan sheets (1"=40')(11"x17")	Sheet	3	8	3	24	18	
5. Guide Sign Worksheet	Sign				0		Not applicable.
6. Cross-Sections and Layout	Sign				0		Not applicable.
7. Reflective Pavement Marking Detail	Sheet				0		Not applicable.
8. Sign Detail Sheet	Strips				0		Not applicable
9. Metal/Concrete Pole Detail	EA				0		Not applicable.
10. Service Point Detail	EA				0		Not applicable
11. Calculate Quantity Differences	L.S.						Not applicable.
12. Special Provisions	L.S.				0		Not applicable.
SUBTOTAL				4	44	28	
13. Quality Control	5%	1			2		
14. Supervision	5%	1			2		
15. Field Review	EA	1	4		4		
16. Progress Meeting	EA				0		
17. Sign Foundation Sheet	Sheet						
TOTAL FOR MARKINGS				4	52	28	

Prepared by The Corradino Group

TASK LIST - TASK C ROADWAY IMPROVEMENTS

ACTIVITY: C. Signalization Plans

SUBACTIVITY: None

SUBACTIVITY	BASIS OF ESTIMATE	NO. OF UNITS	HOURS/ UNIT	NO. OF SHEETS	TOTAL HOURS	CADD HOURS	REMARKS
1. Engineering Analysis	L.S.						
2. Machine Counts	L.S.						
3. Turning Movement Counts	L.S.						
4. Inventory of Equipment	L.S.						
5. Key Sheet	Sheet						
6. Tabulation of Quantities	Sheet						
7. General Notes	Sheet						
8. Signalization Plans	Sheet						
9. Pole Details	EA						
10. Signal Interconnect	EA						
11. SOP Plans	EA						
12. CES / Summary of Pay Items	L.S.						
13. Special Provisions	L.S.						
SUBTOTAL				0	0	0	
13. Quality Control	5%						
14. Supervision	5%						
15. Field Review	EA						
16. Progress Meeting	EA						
17. Sign Foundation Sheet	Sheet						
TOTAL FOR SIGNALIZATION PLANS				0	0	0	

Prepared by The Corradino Group

TASK LIST - TASK D ROADWAY IMPROVEMENTS

ACTIVITY: D. Landscape and Irrigation

SUBACTIVITY: LA

	SUBACTIVITY	BASIS OF ESTIMATE	NO. OF UNITS	HOURS/UNIT	NO. OF SHEETS	TOTAL HOURS	CADD HOURS	REMARKS
1.	Landscape Plans & Specs.	Sheet	3	16		48	16	
2.	Irrigation Plan & Specs.	Sheet	3	16		48	16	
3.		L.S.						
4.		Sheet						
5.		Sign						
6.		Sign						
7.		Sheet						
8.		Strips						
9.		EA						
10.		EA						
11.		L.S.						
12.	Special Provisions	L.S.						
	SUBTOTAL				0	96	32	
13.	Quality Control	5%	1			5		
14.	Supervision	5%	1			5		
15.	Field Review	EA	1	4		4		
16.	Progress Meeting	EA						
17.	Sign Foundation Sheet	Sheet						
	TOTAL FOR LA & IRRIGATION				0	110	32	

Prepared by The Corradino Group

TASK LIST - TASK E ROADWAY IMPROVEMENTS

ACTIVITY: E. Bid and Construction Phase Assistance

SUBACTIVITY: CP

SUBACTIVITY	BASIS OF ESTIMATE	NO. OF UNITS	HOURS/ UNIT	NO. OF SHEETS	TOTAL HOURS	CADD HOURS	REMARKS
1. Prepare Bid Documents / Project Book / Contract	L.S.	1	16		16		
2. Attend Pre-Bid Conference	Meeting	1	2		2		
3. Responses to Bidder RFIs	L.S.	6	2		12		
4. Attend Bid Opening	Meeting	1	2		2		
5. Tabulate and Evaluate Bids / Check References & Make recommendations	L.S.	1	16		16		
6. Attend Pre-construction Meeting	Meeting	4	4		16		One at the City. One mtg at the Field w/ contractor and Utilities (2 people/2 mtgs/ 4 hrs EA)
7. Responses to Contractor RFIs and requests for RCO's	EA	6	4		24		
8. Review Shop Drawings	EA	2	4		8		
9. Periodic Site Observations and preparing observation reports	EA	48	4		192		6 MONTH / 24 WEEKS / 4 Hrs per Week
10. Review contractor's monthly pay requests and RCO's	EA	3	1		3		
11. Review as-builts and prepare certification letter	L.S.	1	16		16		PRELIMINARY & FINAL PUNCH LIST
SUBTOTAL				0	307	0	
13. Quality Control	5%						
14. Supervision	5%						
15. Field Review	EA				0		
16. Progress Meeting	EA				0		
17. Sign Foundation Sheet	Sheet						
TOTAL FOR CONSTRUCTION PHASE				0	307	0	

TASK LIST - TASK E ROADWAY IMPROVEMENTS

ESTIMATE OF OUT OF POCKET EXPENSES

Units	Submittals	8x11	11x17	22x34	mylars
1	Master Plan				
	Master Plan Report				
	30% Submittal	4	10		
	60% Submittal	4	10		
	90% Submittal	4	10		
	100% Submittal				
	Final Submittal	4	10		
	Plans to Utility Companies	4	10		
	Plans to Permitting agencies	4	10		
	Plans to Other County Departments	4	10		
	Computation Book				
	In-House Printing & Plotting				
	TOTAL	0	60	0	0

Cost per

\$0.50 \$1.00 \$1.00 \$0.00

Prepared by The Corradino Group