

WORK ORDER No. 4 FOR PROFESSIONAL SERVICES

TO: Marlin Engineering, Inc.
 3363 W Commercial Boulevard,
 Suite 115, Fort Lauderdale, FL 33309
 (954)-870-5070

DATE: January 7, 2025

The City of Doral authorizes the firm Marlin Engineering, Inc. to provide professional engineering services to evaluate the intersection of NW 88th Street and NW 112th Place for a crosswalk through a crosswalk warrant analysis. Where Marlin Engineering, Inc. is part of the pre-qualified pool of consultants selected in accordance with RFQ 2023-08 requirements and approved by the City Council on March 13, 2024, via Resolution 24-54. The work should be performed in accordance with the contract provisions contained in the Professional Services Agreement between Marlin Engineering, Inc. and the City of Doral dated June 3, 2024, and the attached Proposal submitted on December 20, 2024, submitted by your firm for the above referenced project.

SCOPE OF SERVICES AND SCHEDULE:

The scope of the project will be as described in the attached proposal from Marlin Engineering dated December 20, 2024, to evaluate a potential crosswalk at the subject intersection. The schedule requires the scope of work to be completed within 8 weeks of NTP. All limitations of time set forth in this Work Order are of the essence. The performance of services associated with this Work Order will be executed on a time and material basis not to exceed the amount of \$11,193.05

You are required by the Professional Services Agreement to begin work subsequent to the execution of this Work Order, or as directed otherwise. If you fail to begin work subsequent to the execution of this Work Order, the City of Doral will be entitled to disqualify the Proposal and revoke the award.

This Work Order incorporates the terms and conditions set forth in the Professional Services Agreement dated June 6, 2024, between the parties as though fully set forth herein. In the event that any terms or conditions of this Work Order conflict with the Continuing Services Agreement, the provisions of this specific Work Order shall prevail and apply.

This Work Order is not binding until the City of Doral agrees and approves this Work Order.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the day and date first above written, in two (2) counterparts, each of which shall, without proof or accounting for the other counterpart be deemed an original Contract.

CONSULTANT: MARLIN ENGINEERING, INC.

BY: Aycel Freda, P.E.
 NAME: Aycel Freda, P.E.
 TITLE: Director of Business Development

OWNER: CITY OF DORAL

BY: Zeida Sardinas
 NAME: Zeida Sardinas
 TITLE: City Manager

WITNESSES:

1. Jerry Byrne
 2. Madison Whetstone

SEAL



AUTHENTICATION:

BY: Connie Diaz
 NAME: Connie Diaz
 TITLE: City Clerk

APPROVED AS TO FORM AND LEGAL SUFFICIENCY FOR THE SOLE USE
 OF THE CITY OF DORAL:

BY: Lorenzo Cobiella
 NAME: Lorenzo Cobiella
 Gastesi, Lopez and Mestre, PLLC
 TITLE: City Attorney



December 20, 2024

Darlin Perez, P.E.
Chief of Engineering
City of Doral Public Works Department
8401 NW 53rd Terrace
Doral, FL 33166

Re: City of Doral – NW 88th Street and NW 112th Place Crosswalk Warrant Analysis

Dear Ms. Perez:

As requested by the City of Doral, Marlin Engineering, Inc. (MARLIN) proposes to provide services to evaluate the intersection of NW 88th Street and NW 112th Place/NW 88th Terrace in the City of Doral in Miami-Dade County, Florida for a crosswalk, pursuant to the Continuing Professional Services Agreement provided by the City of Doral ("City") for Professional General Engineering and Architectural Services, dated June 3rd, 2024.

I. General

The intersection of NW 112th Place and NW 88th Street is currently two-way stop-controlled in the north and south approaches, providing access to the residential community on both sides. NW 88th Street is a two-way undivided roadway to the west and a one-way roadway to the east. Both NW 112th Place on the north side and NW 88th Street are city-maintained roads with a 30 MPH speed limit. The south approach of NW 112th Place is designated as a private city road per Miami-Dade County's Land Information GIS Data. The northbound and southbound approaches of NW 112th Place, two (2) lanes undivided. Neither approach includes dedicated turn lanes, and both have a skewed alignment with the through receiving lanes.

The City of Doral has requested to evaluate a potential crosswalk at the subject intersection. On NW 88th Street, sidewalks are present on both the north and south sides of the two-way segment, while the one-way segment only has sidewalks on the south side. There is an existing east-west crosswalk at both northbound and southbound approaches of NW 112th Place.

A map with the location is shown below.



II. Scope of Services:

Since Miami-Dade County has jurisdiction over all traffic controls in the county, it is understood that a crosswalk warrant analysis must be performed and reviewed by both the City of Doral and Miami-Dade County in order to install a crosswalk at the intersection.

Task 1 – Existing Conditions

The roadway characteristics of both roads, along with any pertinent data from GIS maps, will be obtained. A field review will also be conducted to confirm the research collected. Posted speed limits, observed speeds, and pedestrian/bicycle activity will be noted. The conflict points will also be documented.

Task 2 – Data Collection

MARLIN will collect the following data for use in the warrant analysis:

- 12-hour pedestrian and bicycle counts
 - 72-hour volume and speed counts

Traffic data will be collected on typical midweek (non-event) days, adhering to the Florida Department of Transportation's (FDOT's) Manual on Uniform Traffic Studies (MUTS) and other applicable standards. A field review of the study area will be conducted during the same time that the traffic data is collected to the extent possible.



Task 3 – Safety Review

A crash analysis will be conducted as part of the warrant justification. Crash data for the last 3 years of available data will be obtained at the subject location. The review of the crash data will focus mainly on the critical movements (left turn, right turn and right-angle collisions associated with pedestrians) that are susceptible to correction for a potential crosswalk.

Task 4 – Crosswalk Warrant Analysis

A Pedestrian Crosswalk Warrant Analysis will be conducted based on guidance from the *FDOT Traffic Engineering Manual (TEM) (Chapter 5.2)*, using the results of the previous tasks. Criteria to be evaluated will include minimum vehicular volume, distance to the nearest crossing, influence area of the adjacent signalized intersection and crash review. Other criteria that may be utilized include left turn conflicts, sight distance issues, and design and operating characteristics of the roadways.

Task 5 – Documentation

MARLIN shall produce a technical memorandum documenting the above tasks including appendices or figures (as appropriate). The results will be compiled and recommendations will be made based on the analysis conducted. MARLIN will submit a draft technical memorandum to the City before submitting to the County. *It is anticipated that the County's review will take a minimum of 25 days.* Any review comments provided by both the City and County will be incorporated into the final technical memorandum.

Task 6 – Project Meetings/Coordination

MARLIN staff will attend up to two (2) meetings to coordinate the study submittal and present the findings and mitigation strategies with the City staff, as necessary. MARLIN will provide status updates on the schedule in a timely manner.



Schedule of Work – Time of Performance

MARLIN shall submit the Deliverables and perform the Work as depicted in the tables below

Task or Activity ID#	Major Task, Sub-Task, Activity, or Deliverables	Anticipated Delivery Date
1	Existing Conditions	NTP+1 week
2	Data Collection	+ 2 weeks
3	Safety Review	+ 2 weeks
4	Crosswalk Warrant Analysis	+ 3 weeks
5	Documentation	+ 4 weeks
6	Project Management/Meetings	+ 8 weeks

MARLIN will provide the City with the Services defined in the Scope section above. The anticipated Notice to Proceed for these Services is TBD.

III. Compensation

Consultant shall perform the work detailed in this Proposal for a Total fee of \$ 11,193.05. The City shall not be liable for any fee, cost, expense or reimbursable expense, or other compensation beyond this amount unless approved in a supplemental work order.

IV. Schedule & Deliveries

The draft report documenting the results of the warrant evaluation will be submitted providing all pertinent information, as detailed in the scope. MARLIN has neither jurisdiction nor control over the regulatory agencies and their plans review process; therefore, MARLIN shall not be liable for the delays created by said agencies.

V. Additional Services

Additional services and unforeseen circumstances beyond established scope shall be negotiated in good faith and at the sole discretion of the City.

VI. City Furnished Documents & Data

CITY shall provide MARLIN with any data information available to perform the scope of work.



VII. Project Manager

Consultant's Project Manager for this Project will be Ms. Myra E. Patino, P.E., PMP

Marlin Engineering Inc. appreciates the opportunity to submit this scope and fee estimate and we look forward to being of service. If you have any questions with respect to this proposal, do not hesitate to contact us. On behalf of MARLIN ENGINEERING Inc, I thank you again, for the opportunity with you on this important project.

Submitted by:

A handwritten signature in black ink that reads "Myra Patino".

Myra E. Patino, P.E., PMP
Traffic Engineering Manager

Reviewed and approval in concept recommended by:

Darlin Perez (PW)

Digital signature by Darlin Perez
(PW)
DN: CN=Darlin Perez (PW),
OU=PublicWorksStaff,
OU=Departments, OU=City,
DC=city, DC=local
Date: 2029-01-10 09:56:12-05'00'

Darlin Perez, PE
Chief of Engineering



CITY OF DORAL

Crosswalk Warrant Analysis (NW 88 Street and NW 112 Place)

12/20/2024

STAFF HOUR ESTIMATE

Task	Activity	Principal	Project Manager	Senior Engineer	Project Engineer	GIS Technician	Engineering Technician	CADD Technician	Planner	Clerical	TOTAL
		Rates	\$ 293.76	\$ 257.80	\$ 238.40	\$ 199.85	\$ 138.44	\$ 142.40	\$ 125.15	\$ 157.07	\$ 94.13
1	Existing Conditions										
	Conduct Field Review			3.0	3.0						6.0
	Obtain Traffic Data				0.5	1.0					1.5
	Sub-total Hours	-	-	3.0	3.5	1.0	-	-	-	-	7.5
	Sub-total Salary Cost	\$ -	\$ -	\$ 715.20	\$ 703.47	\$ 138.44	\$ -	\$ -	\$ -	\$ -	\$ 1,557.11
2	Data Collection										
	Summarize Volume & Speed Data			1.0	1.0		1.0				3.0
	Develop Exhibits & Figures				0.5	1.0					1.5
	Sub-total Hours	-	-	1.0	1.5	1.0	1.0	-	-	-	4.5
	Sub-total Salary Cost	\$ -	\$ -	\$ 238.40	\$ 299.78	\$ 138.44	\$ 142.40	\$ -	\$ -	\$ -	\$ 819.02
3	Safety Review										
	Download Crash Data						1.0				1.0
	Review and Summarize Crashes			0.5	1.0	1.0	1.0				3.5
	Sub-total Hours	-	0.5	1.0	1.0	1.0	1.0	-	-	-	4.5
	Sub-total Salary Cost	\$ -	\$ 128.90	\$ 238.40	\$ 199.85	\$ 138.44	\$ 142.40	\$ -	\$ -	\$ -	\$ 847.99
4	Crosswalk Warrant Analysis										
	Review Data and Summarize Criteria			1.0	1.0						2.0
	Develop Recommendations			1.0	2.0	2.0					7.0
	Sub-total Hours	-	1.0	3.0	3.0	-	-	2.0	-	-	9.0
	Sub-total Salary Cost	\$ -	\$ 257.80	\$ 715.20	\$ 599.55	\$ -	\$ -	\$ 250.30	\$ -	\$ -	\$ 1,822.85
5	Documentation										
	Draft Technical Memorandum			1.0	2.0	2.0	1.0				1.0
	Agency Review Coordination				1.0						1.0
	Final Technical Memorandum			0.5	1.0	1.0	0.5				0.5
	Sub-total Hours	-	1.5	4.0	3.0	1.5	-	-		1.5	11.5
	Sub-total Salary Cost	\$ -	\$ 386.70	\$ 953.60	\$ 599.55	\$ 207.66	\$ -	\$ -		\$ 141.20	\$ 2,288.71
	Project Management										
	Project Administration			4.0							2.0
	Meetings (2-remote)			1.0	1.0						2.0
	Sub-total Hours	-	5.0	1.0		-	-	-		2.0	8.0
	Sub-total Salary Cost	\$ -	\$ 1,289.00	\$ 238.40		\$ -	\$ -	\$ -		\$ 188.26	\$ 1,715.66
Miami-Dade County	Marlin Engineering Total Hours	-	8.0	13.0	12.0	4.5	2.0	2.0	-	3.5	45.0
	Marlin Engineering Salary Cost	\$ -	\$ 2,062.40	\$ 3,099.20	\$ 2,402.20	\$ 622.98	\$ 284.80	\$ 250.30	\$ -	\$ 329.46	\$ 9,051.33
	12-hour pedestrian and bicycle counts						1	\$ 1,315.61	Per location		\$ 1,315.61
	72-hour volume and speed counts						1	\$ 826.11	Per location		\$ 826.11
							0		Per location		\$ -
									Data Collection Subtotal		\$ 2,141.72
									TOTAL		\$ 11,193.05