

WORK ORDER No. 16 FOR PROFESSIONAL SERVICES

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

DATE: December 22, 2023

The City of Doral authorizes the firm Marlin Engineering, Inc. to provide services to collect vehicular traffic volumes and speed counts within designated speed zones segments for schools located within city limits. The work should be performed in accordance with the contract provisions contained in the Continuing Professional Services Agreement between Marlin Engineering, Inc. and the City of Doral dated January 4th, 2021, extended until January 4th, 2024, and the attached Proposal dated December 22, 2023, that was 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, Inc. submitted on December 22, 2023. to provide services to collect vehicular traffic volumes and speed counts within designated speed zones segments for schools located within city limits. The schedule requires the scope of work to be completed within 12 weeks of NTP. The performance of services associated with this Work Order will be executed on a Time and Materials basis with a not to exceed amount of \$23,449.59.

You are required by the Continuing Service 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 Continuing Services Agreement dated January 4th, 2021, 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. 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 three (3) counterparts, each of which shall, without proof or accounting for the other counterpart be deemed an original Contract.

CONSULTANT: MARLIN ENGINEERING, INC.

BY: Maria Reina
NAME: Maria Reina
TITLE: Traffic Engineering Manager

OWNER: CITY OF DORAL

BY: B.H.
NAME: Barbara Hernandez
TITLE: City Manager

WITNESSES: SEAL:

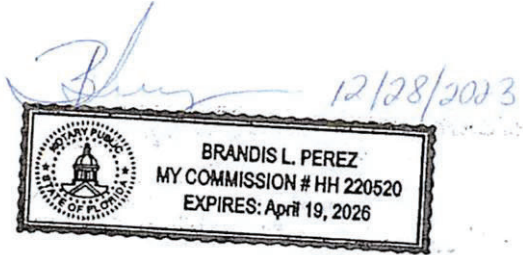
1. Betsy Lopez
2. [Signature]

AUTHENTICATION:

BY: [Signature]
NAME: Connie Diaz
TITLE: City Clerk

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

BY: Valerie Vauti
NAME: Valerie Vauti, Esq for Nabors
TITLE: Gibling & Nickerson, P.A. City Attorney





MARLIN ENGINEERING, INC.

City of Doral School Speed Zones

TRAFFIC DATA COLLECTION & SUMMARY

12/22/2023

STAFF HOUR ESTIMATE

Task	Activity	Project Manager	GIS Technician	Engineering Technician	Clerical	TOTAL
	<i>Rates</i>	\$ 185.00	\$ 106.00	\$ 95.00	\$ 58.00	
1-Project Scope Development						
	Develop Project Scope	1.0				1.0
	Conduct Desktop Review of Existing Speed Zones for (18) Schools			4.0		4.0
	Create List and Location Map		1.0	1.0		2.0
	Sub-total Hours	1.0	1.0	5.0	-	7.0
	Sub-total Salary Cost	\$ 185.00	\$ 106.00	\$ 475.00	\$ -	\$ 766.00
3-Data Summary for (12) Schools						
	Summarize Report Data in Tabular and Graphical formats for use		1.0	2.0		3.0
	Summarize Initial Findings for Speeding	1.0				1.0
	Sub-total Hours	1.0	1.0	2.0	-	4.0
	Sub-total Salary Cost	\$ 185.00	\$ 106.00	\$ 190.00	\$ -	\$ 481.00
4-Project Management						
	Project Administration & Coordination	1.0			2.0	3.0
	Sub-total Hours	1.0	-	-	2.0	3.0
	Sub-total Salary Cost	\$ 185.00	\$ -	\$ -	\$ 116.00	\$ 301.00
	Marlin Engineering Total Hours	3.0	2.0	7.0	2.0	14.0
	Marlin Engineering Salary Cost	\$ 555.00	\$ 212.00	\$ 665.00	\$ 116.00	\$ 1,548.00
2-Data Collection Field Deployment						
	72-hour Traffic Count (Volume & Speed)		27	\$ 811.17	Per location	\$ 21,901.59
TOTAL						\$ 23,449.59



December 22, 2023

Edna Sibila
 Transportation Manager
 City of Doral Public Works Department
 8401 NW 53rd Terrace
 Doral, FL 33166

Re: City of Doral School Zones Traffic Data Collection

Dear Ms. Sibila:

As requested by the City of Doral, Marlin Engineering, Inc. (MARLIN) proposes to provide services to collect vehicular traffic volumes and speed counts within designated speed zones segments for schools located within the city limits.

I. Scope of Services

Task 1 Project Scope Development

A preliminary assessment of existing school zones within the City has been conducted by MARLIN for 18 schools identified by the City. A desktop review of the schools and 32 adjacent roadway segments was made to determine which schools had existing speed zones. The results of the review determined that there are 15 schools with 27 roadway segments that have existing speed zones as listed below:

1. NW 27th Street from NW 112th Avenue to NW 109th Avenue (Doral Academy Preparatory School)
2. NW 112th Avenue from NW 25th Street to NW 27th Street (Doral Academy Preparatory School)
3. NW 97th Avenue from NW 19th Street to NW 25th Street (Doral Academy Elementary School)
4. NW 50th Street from NW 112th Avenue to NW 109th Avenue (J.C. Bermudez Doral Senior High School)
5. NW 112th Avenue from NW 50th Street to NW 52nd Street (J.C. Bermudez Doral Senior High School)
6. NW 84th Avenue from NW 52nd Street to NW 53rd Street (Downtown Doral Charter Elementary School)
7. NW 79th Avenue from NW 53rd Street to NW 56th Street (Downtown Doral Charter Upper School)
8. NW 10th Avenue from NW 67th Street to NW 68th Street (Doral International Academy)
9. NW 102nd Avenue from NW 77th Terrace to NW 88th Street (Andrea Castillo Preparatory Academy K-8)
10. NW 77th Terrace from NW 102nd Avenue to NW 104th Avenue (Andrea Castillo Preparatory Academy K-8)
11. NW 77th Terrace from NW 102nd Avenue to Dead End (Andrea Castillo Preparatory Academy K-8)
12. NW 107th Avenue from NW 88th Avenue to NW 82nd Avenue (Ronald W. Reagan/Doral Senior High School)
13. NW 88th Avenue from NW 107th Avenue to NW 109th Avenue (Ronald W. Reagan/Doral Senior High School)
14. NW 52nd Street from NW 104th Avenue to NW 104th Court (John I. Smith K-8 Center)
15. NW 33rd Street from NW 84th Avenue to NW 82nd Avenue (Renaissance Middle Charter School)
16. NW 84th Avenue from NW 33rd Street to NW 30th Terrace (Renaissance Middle Charter School)
17. NW 90th Street from NW 114th Avenue to NW 112th Avenue (Dr. Toni Bilbao Preparatory Academy)
18. NW 114th Avenue from NW 88th Street to NW 90th Street (Dr. Toni Bilbao Preparatory Academy)
19. NW 88th Street from NW 114th Avenue to NW 88th Terrace (Dr. Toni Bilbao Preparatory Academy)
20. NW 104th Avenue from NW 62nd Street to NW 58th Street (Divine Savior Academy)
21. NW 58th Street from NW 104th Avenue to NW 102nd Avenue (Divine Savior Academy)
22. -NW 19th Street from NW 107th Avenue to NW 19th Street (Renaissance Elementary Charter School)
23. -NW 86th Street from NW 113th Court to 113th Passage (Dr. Rolando Espinosa K-8 Center)
24. -113th Passage from NW 86th Street to NW 84th Terrace (Dr. Rolando Espinosa K-8 Center)
25. -NW 84th Terrace from 113th Passage to NW 113th Place (Dr. Rolando Espinosa K-8 Center)
26. -NW 114th Avenue from NW 60th Street to NW 58th Street (Eugenia B. Thomas K-8 Center)
27. -NW 58th Street from NW 117th Avenue to NW 114th Avenue (Eugenia B. Thomas K-8 Center)

A complete listing of the schools and segments that were reviewed are attached.



Task 2 Data Collection Field Deployment

MARLIN will collect the following data at the above listed locations during non-event typical weekday (Tuesday to Thursday) when schools are in session:

- Bi-Directional 72-hour traffic volume counts
- Bi-Directional 72-hour speed data (85th percentile speed)

MARLIN will coordinate with City staff and the schools to confirm the best consecutive days to schedule the counts

Task 3 Data Processing and Documentation

The data will be processed in the office and a quality review will be conducted to identify any issues or abnormalities. Any issues/abnormalities noted with a count location may require re deployment to be conducted under a change work order. The data collection reports will be provided in tabular format in pdf and excel versions for each location. In addition, a summary of the results will be tabulated and shown graphically on a map.

Task 4 Project Administration & Coordination

MARLIN will submit monthly invoices on work completed to date and provide status updates on the schedule in a timely manner.

II. Schedule of Work – Time of Performance

MARLIN shall submit the Deliverables and perform the work as depicted in the table below.

Task ID#	Major Task, Sub-Task, Activity, or Deliverables	Anticipated Delivery Date
1	Project Scope Development	COMPLETED
2	Data Collection Deployment	NTP + 2 Weeks
3	Data Summary	NTP + 2 Weeks
4	Project Coordination	NTP + 4 Weeks

MARLIN will provide the City with the services defined in the scope section above. The anticipated Notice to Proceed (NTP) for these services is To Be Determined (TBD); however, it is anticipated that the start date will occur after the holiday season, sometime in January.

III. Compensation

MARLIN shall perform the work detailed in this proposal for a total fee of **\$23,449.59**. 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 collected data will be submitted providing all pertinent information, as detailed in the scope.



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. Project Manager

MARLIN's Project Manager for this project will be Harold Pantaleon, Traffic Data Collection and Innovations & Technologies Manager.

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, please do not hesitate to contact us.

Submitted by:

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

Reviewed and approval in concept recommended by:

Department Director

Procurement Manager

City Manager

City of Doral - School Zones - Data Collection Locations

Existing School Zone Segments				
#	Location	From	To	School
1	NW 27th Street	NW 112th Avenue	NW 109th Avenue	Doral Academy Preparatory School
2	NW 112th Avenue	NW 25th Street	NW 27th Street	Doral Academy Preparatory School
3	NW 97th Avenue	NW 19th Street	NW 25th Street	Doral Academy Elementary School
4	NW 50th Street	NW 112th Avenue	NW 109th Avenue	J.C. Bermudez Doral Senior High School
5	NW 112th Avenue	NW 50th Street	NW 52nd Street	J.C. Bermudez Doral Senior High School
6	NW 84th Avenue	NW 52nd Street	NW 53rd Street	Downtown Doral Charter Elementary School
7	NW 79th Avenue	NW 53rd Street	NW 56th Street	Downtown Doral Charter Upper School
8	NW 10th Avenue	NW 67th Street	NW 68th Street	Doral International Academy
9	NW 102nd Avenue	NW 77th Terrace	NW 88th Street	Andrea Castillo Preparatory Academy K-8
10	NW 77th Terrace	NW 102nd Avenue	NW 104th Avenue	Andrea Castillo Preparatory Academy K-8
11	NW 77th Terrace	NW 102nd Avenue	Dead End	Andrea Castillo Preparatory Academy K-8
12	NW 107th Avenue	NW 88th Avenue	NW 82nd Avenue	Ronald W. Reagan/Doral Senior High school
13	NW 88th Avenue	NW 107th Avenue	NW 109th Avenue	Ronald W. Reagan/Doral Senior High school
14	NW 52nd Street	NW 104th Avenue	NW 104th Court	John I. Smith K-8 Center
15	NW 33rd Street	NW 84th Avenue	NW 82nd Avenue	Renaissance Middle Charter School
16	NW 84th Avenue	NW 33rd Street	NW 30th Terrace	Renaissance Middle Charter School
17	NW 90th Street	NW 114th Avenue	NW 112th Avenue	Dr. Toni Bilbao Preparatory Academy
18	NW 114th Avenue	NW 88th Street	NW 90th Street	Dr. Toni Bilbao Preparatory Academy
19	NW 88th Street	NW 114th Avenue	NW 88th Terrace	Dr. Toni Bilbao Preparatory Academy
20	NW 104th Avenue	NW 62nd Street	NW 58th Street	Divine Savior Academy
21	NW 58th Street	NW 104th Avenue	NW 102nd Avenue	Divine Savior Academy
22	NW 19th Street	NW 107th Avenue	NW 19th Street	Renaissance Elementary Charter School
23	NW 86th Street	NW 113th Court	113th Passage	Dr. Rolando Espinosa K-8 Center
24	113th Passage	NW 86th Street	NW 84th Terrace	Dr. Rolando Espinosa K-8 Center
25	NW 84th Terrace	113th Passage	NW 113th Place	Dr. Rolando Espinosa K-8 Center
26	NW 114th Avenue	NW 60th Street	NW 58th Street	Eugenia B. Thomas K-8 Center
27	NW 58th Street	NW 117th Avenue	NW 114th Avenue	Eugenia B. Thomas K-8 Center

School Segments with NO Speed Zones				
#	Location	From	To	School
	NW 41st Street	NW 114th Avenue	NW 112th Avenue	Academir Charter School East
	NW 38th Street	NW 97th Avenue	NW 40th Street Rd	Shelton Academy
	NW 40th Street Rd	NW 97th Avenue	NW 38th Street	Shelton Academy
	NW 91st Avenue	Carlos Circle	NW 33rd Street	BridgePrep Academy of Doral
	NW 89th Court	NW 35th Lane	NW 33rd Street	BridgePrep Academy of Doral