

RESOLUTION NO. 17- 2469

A RESOLUTION OF THE TOWN COMMISSION OF THE TOWN OF SURFSIDE, FLORIDA APPROVING WORK AUTHORIZATIONS TO CALVIN GIORDANO & ASSOCIATES, INC. TO PROVIDE GENERAL ENGINEERING SERVICES FOR TRAFFIC SIGNAL MODIFICATIONS AT INTERSECTIONS ALONG HARDING AVENUE AND ABBOTT AVENUE AND 95TH STREET; AUTHORIZING THE TOWN MANAGER TO IMPLEMENT THE TERMS AND CONDITIONS OF THE WORK AUTHORIZATIONS; AUTHORIZING THE TOWN MANAGER TO EXPEND BUDGETED FUNDS; AUTHORIZING THE TOWN MANAGER TO EXECUTE THE WORK AUTHORIZATIONS; AND PROVIDING FOR AN EFFECTIVE DATE

WHEREAS, pursuant to Section 287.055, Florida Statutes (“Consultants’ Competitive Negotiation Act), the Town of Surfside (“Town”) entered into a Continuing Professional Services Agreement (the “Agreement”) with Calvin Giordano & Associates, Inc. (“Consultant”) for professional general engineering services on October 6, 2014; and

WHEREAS, in accordance with the provisions of the Agreement, Consultant and the Town have agreed to enter into two (2) Work Authorizations (collectively, “Work Authorizations”) for traffic signal modifications to intersections along Harding Avenue and Abbott Avenue and 95th Street, specifically: (1) Work Authorization No. 106 for traffic signal modifications traffic analysis, including pre-post construction traffic analysis of four intersections on Harding Avenue, in an amount not to exceed \$14,200.62, attached hereto as Exhibit “A”; and (2) Work Authorization No. 108 for a traffic feasibility study for Abbott Avenue and 95th Street, including traffic analysis and modeling of road closures for 95th Street and Abbott Avenue, in an amount not to exceed \$20,149.58, attached hereto as Exhibit “B” (collectively, the “Services”); and

WHEREAS, the Work Authorizations attached as Exhibits “A” and “B” provide for a

scope of services detailing the Services to be provided by Consultant, as well as a schedule or time for performance and compensation for the Services; and

WHEREAS, Consultant has agreed to provide the Services described in the Work Authorizations to be entered into with the Town; and

WHEREAS, the Town Commission finds that approval of the Work Authorizations between Consultant and the Town are in the best interest of the Town and traffic efficiency and safety. .

NOW, THEREFORE, BE IT RESOLVED BY THE TOWN COMMISSION OF THE TOWN OF SURFSIDE, FLORIDA, AS FOLLOWS:

Section 1. Recitals. The above recitals are true and correct and incorporated into this Resolution by this reference.

Section 2. Approval of Work Authorizations. The Work Authorizations between the Consultant and the Town to provide the Services, attached hereto as Exhibits "A" and "B", are hereby approved, and the Town Manager is authorized to execute the Work Authorizations.

Section 3. Authorization of Town Officials. The Town Manager and/or his designee are authorized to take all actions necessary to implement the terms and conditions of the Work Authorizations.

Section 4. Authorization to Fund Expenditure. The Town Manager is authorized to expend budgeted funds to implement the terms and conditions of the Work Authorizations.

Section 5. Effective Date. This Resolution shall take effect immediately upon adoption.

PASSED AND ADOPTED this 14th day of November, 2017.


Motion By: Commissioner Karukin

Second By: Commissioner Gielchinsky

FINAL VOTE ON ADOPTION


Commissioner Daniel Gielchinsky	<u>yes</u>
Commissioner Michael Karukin	<u>yes</u>
Commissioner Tina Paul	<u>yes</u>
Vice Mayor Barry Cohen	<u>yes</u>
Mayor Daniel Dietch	<u>yes</u>

Attest:



Sandra Novoa, MMC
Town Clerk

Approved as to Form and Legal Sufficiency:



Weiss Serota Helfman Cole & Bierman, P.L.
Town Attorney



Daniel Dietch, Mayor



Calvin, Giordano & Associates, Inc.
EXCEPTIONAL SOLUTIONS™

November 3, 2017

Mr. Guillermo Olmedillo
Town Manager
TOWN OF SURFSIDE
9293 Harding Avenue
Surfside, FL 33154

RE: Work Authorization No. 106
Surfside Traffic Signal Modifications – Traffic Analysis
CGA Proposal No. 15-8083.3

Dear Mr. Olmedillo,

Enclosed for your review and approval is Work Authorization No. 106 for Surfside Traffic Signal Modifications- Traffic Analysis. The scope of the project includes Pre-Post Construction Traffic Analysis of four intersections on Harding Avenue.

The Scope of Services to be furnished under this Work Authorization includes Traffic Engineering as shown on the attached Work Authorization.

The Basis of Compensation is hourly based upon the established rates pursuant to the Professional Services Agreement between the Town and CGA, plus reimbursables, for a total not to exceed \$14,200.62.

Sincerely,

CALVIN, GIORDANO & ASSOCIATES, INC.

Chris Giordano
Vice President

Building Code Services
Civil Engineering / Roadway
& Highway Design
Coastal Engineering
Code Enforcement
Construction Engineering &
Inspection (CEI)
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Planning
Project Management
Redevelopment
& Urban Design
Surveying & Mapping
Traffic Engineering
Transportation Planning
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Website Development

1800 Eller Drive
Suite 600
Fort Lauderdale, FL
33316
954.921.7781 phone
954.921.8807 fax

www.cgasolutions.com

TOWN OF SURFSIDE

Surfside Traffic Signal Modifications- Traffic Analysis

PROJECT DESCRIPTION

1. SCOPE OF SERVICES

Calvin, Giordano & Associates, Inc. is pleased to submit this proposal for professional traffic engineering services related to the post design services for the Harding Avenue and 95th Street intersection in the Town of Surfside. These supplemental services to approved work authorization #103 include the pre and post traffic analysis for the signalized intersections of 88th Street, 93rd Street, 94th Street and 95th Street at Harding Avenue in the Town of Surfside. The specific traffic engineering services offered herein are outlined below.

I. Professional Engineering Services

A. Traffic Engineering

1. Surfside Traffic Signal Modifications

- Traffic Data Collection- Manual Turning Movement Counts will be collected during the morning (7:00 - 9:00 AM) and afternoon (4:00 - 6:00 PM) peak hour period at the following intersections before and after the traffic signal loop installation.
 - Harding Avenue and 88th Street
 - Harding Avenue and 93rd Street
 - Harding Avenue and 94th Street
 - Harding Avenue and 95th Street

- Additional Traffic Data Collection- CGA traffic engineers will collect current signal timing sheets from Miami-Dade County Traffic Engineering Department and peak season correction factors from Florida Department of Transportation in order to adjust the raw traffic counts to reflect average annual traffic for typical weekday conditions.
- Existing Conditions Analysis- Synchro9.1 micro-simulation software will be used to analyze the existing operational conditions of the subject intersections before and after the traffic signal loop installation during the AM and PM peak periods. Synchro9.1 will be used to code the network and SimTraffic will be used for the simulation portion of the analysis. The delay and level of service for each movement, approach and overall intersection will be determined according to Highway Capacity Manual 2000 (HCM 2000) methodology, along with the 95th percentile queue length for each movement. The Synchro9.1 model will be developed based upon the guidelines recommended by FHWA in Traffic Analysis Toolbox Volume III —Guidelines for Applying Traffic Microsimulation Modeling Software (July 2004).
- The supplemental traffic analysis will be documented and summarized in memorandum format. This scope of services includes one update of the memorandum after the traffic signal improvements are complete. CGA traffic engineers will attend one public meeting to go over the results with Town Staff and Council.

2. BASIS OF COMPENSATION:

Hourly rates with an estimated fee of \$13,524.40 plus reimbursables at \$676.22 with a total not to exceed amount of \$14,200.62. Payments to be made monthly.

3. SUBMITTED

Submitted by: _____

Chris Giordano

Date: _____

11/2/17

Work Authorization No. 106
November 3, 2017
Calvin, Giordano & Associates, Inc. Proposal No. 15-8083.3

4. APPROVAL

Approved by: _____ Date: _____
Guillermo Olmedillo, Town
Manager

**TOWN OF SURFSIDE
WORK AUTHORIZATION ESTIMATE DATE**

WORK AUTHORIZATION NO. 106
PROJECT NAME Surfside Traffic Signal Modifications- Traffic
Analysis
CGA Proposal No. 15-8083.3
DESCRIPTION Pre-Post Construction Traffic Analysis of four
intersections on Harding Avenue

TITLE	RATE	HOURS/UNITS	COST
Director Engineering V	\$159.14	28	\$4,455.92
Project Manager IV	\$137.92	44	\$6,068.48
			<hr/>
			\$10,524.40
SUB-CONSULTANTS			COST
Consultant			\$3,000.00
			<hr/>
			\$3,000.00
LABOR SUBTOTAL			\$13,524.40
REIMBURSABLE SUBTOTAL			\$676.22
TOTAL			\$14,200.62

Reviewed by: _____
Guillermo Olmedillo, Town Manager



Calvin, Giordano & Associates, Inc.
EXCEPTIONAL SOLUTIONS™

November 7, 2017

Mr. Guillermo Olmedillo
Town Manager
TOWN OF SURFSIDE
9293 Harding Avenue
Surfside, FL 33154

RE: Work Authorization No. 108
Traffic Feasibility Study for Abbott Avenue and 95th Street
CGA Proposal No. 17-9832

Dear Mr. Olmedillo,

Enclosed for your review and approval is Work Authorization No. 108 for Traffic Feasibility Study for Abbott Avenue and 95th Street. The scope of the project includes Traffic Analysis and Modeling of road closure of 95th Street and Abbott Avenue.

The Scope of Services to be furnished under this Work Authorization includes Traffic Engineering as shown on the attached Work Authorization.

The Basis of Compensation is hourly based upon the established rates pursuant to the Professional Services Agreement between the Town and CGA, plus reimbursables, for a total not to exceed \$20,149.58.

Sincerely,

CALVIN, GIORDANO & ASSOCIATES, INC.

Chris Giordano
Vice President

Building Code Services
Civil Engineering / Roadway
& Highway Design
Coastal Engineering
Code Enforcement
Construction Engineering &
Inspection (CEI)
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954.921.8807 fax

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TOWN OF SURFSIDE

Traffic Feasibility Study for Abbott Avenue and 95th Street

PROJECT DESCRIPTION

1. SCOPE OF SERVICES

Calvin, Giordano & Associates, Inc. is pleased to submit this proposal for professional traffic engineering services related to the traffic analysis and feasibility study for the intersection of 95th Street and Abbott Avenue. The specific traffic engineering services offered herein are outlined below.

I. Professional Engineering Services

A. Traffic Engineering

1. CGA traffic engineers will conduct a Traffic Analysis of the roadway network surrounding the intersection of Abbott Avenue and 95th Street. The analysis will focus on operational issues associated with the closure of westbound traffic on 95th Street at Abbott Avenue. The traffic analysis will evaluate the subject intersection and the impact to the adjacent road segments including Abbott Avenue/Harding Avenue/Collins Avenue between 95th Street and 96th Street and 94th Street/95th Street/96th Street between Collins Avenue and Harding Avenue. The traffic analysis will include the following tasks:
 - CGA traffic engineers will collect am and pm peak hour manual turning movement counts at the following intersections: Byron Avenue and 95th Street, Byron Avenue and 94th Street, Abbott Avenue and 95th Street and Abbott Avenue and 94th Street.

- CGA traffic engineers will utilize recently collected am and pm peak hour manual turning movement counts available from FDOT for the intersections of 96th Street and Byron Avenue, 96th Street and Abbott Avenue and 96th Street and Harding Avenue. CGA traffic engineers will also utilize recently collected am and pm peak hour manual turning movement counts at 95th Street and Harding Avenue and 94th Street and Harding Avenue.

- CGA traffic engineers will conduct a review of traffic circulation throughout the study area during the am and pm peak periods. Aerial drone images and videos will be collected during the identified peak 15 minute period at this key intersection in order to capture existing traffic operational issues.

- CGA traffic engineers will develop a traffic simulation model of the subject roadway network utilizing Synchro (Version 10.0) traffic analysis software and available traffic count data obtained for the aforementioned intersections.

- CGA traffic engineers will develop recommendations based on the traffic model and field observations to evaluate proposed roadway, intersection and/or traffic circulation improvements throughout the study area. The analysis will include up to three (3) different alternatives at the intersection of Abbott Avenue and 95th Street to mitigate any identified operational deficiencies. As part of the analysis, the potential redistribution of traffic to other roadways and intersections will also be considered to ensure that the proposed recommendations do not negatively affect operations or safety at other locations within the Town.

- CGA traffic engineers will prepare a report of the study findings including a summary of the alternatives and recommendations to be submitted to Miami Dade County Traffic Engineering and the Florida Department of Transportation (FDOT) for review. It should be noted that several of the roadways within the study area fall under the jurisdiction of the FDOT and Miami Dade County; therefore, it is anticipated that close coordination with these agencies will be required to implement any proposed changes.
- CGA traffic engineers will conduct one presentation of the findings and recommendations of the traffic study to the City Commission, if requested.
- CGA traffic engineers will attend up to two (2) agency meetings to coordinate and discuss the proposed improvement alternatives. Any additional meetings requested by the Town or the maintaining agencies will be completed hourly as an additional service.
- Note: This scope of services does not include plan production for any of the proposed alternatives. These services can be provided as an additional service as requested.

2. BASIS OF COMPENSATION:

Hourly rates with an estimated fee of \$19,190.08 plus reimbursables at \$959.50 with a total not to exceed amount of \$20,149.58. Payments to be made monthly.

3. SUBMITTED

Submitted by: _____

Chris Giordano

Date: _____

11/7/17

4. APPROVAL

Approved by: _____

Guillermo Olmedillo, Town
Manager

Date: _____

Work Authorization No. 108

November 7, 2017

Calvin, Giordano & Associates, Inc. Proposal No. 17-9832

**TOWN OF SURFSIDE
WORK AUTHORIZATION ESTIMATE DATE**

WORK AUTHORIZATION NO. 108
PROJECT NAME Traffic Feasibility Study for Abbott Avenue and
95th Street
CGA Proposal No. 17-9832
DESCRIPTION Traffic Analysis and Modeling of road closure
of 95th Street and Abbott Avenue

TITLE	RATE	HOURS/UNITS	COST
Director Engineering V	\$159.14	20	\$3,182.80
Eng Sr CADD Tech Manager	\$106.09	24	\$2,546.16
Project Manager IV	\$137.92	86	\$11,861.12
			<hr/>
			\$17,590.08

SUB-CONSULTANTS	COST
Traffic Count Consultant	\$1,600.00
<hr/>	
\$1,600.00	

LABOR SUBTOTAL	\$19,190.08
REIMBURSABLE SUBTOTAL	\$959.50
TOTAL	\$20,149.58

Reviewed by: _____
Guillermo Olmedillo, Town Manager