



# VILLAGE OF KEY BISCAIYNE

Village Council

## MEMORANDUM

Michael W. Davey, *Mayor*  
Allison McCormick, *Vice Mayor*  
Luis Lauredo  
Edward London  
Brett Moss  
Katie Petros  
Ignacio J. Segurola

DATE: April 30, 2019  
TO: Honorable Mayor and Council Members  
FROM: Andrea M. Agha, Village Manager *AMA*  
RE: Professional Engineering Services for West Mashta Drive Bridge Repairs, Additional Services for Underwater Inspection

### RECOMMENDATION

Issue a change order to a previously issued work order dated October 2, 2018, pursuant to the competitively awarded continuing professional engineering services contract with the Corradino Group, Inc. ("Consultant") for Underwater Inspection of West Mashta Drive Bridge for an amount not to exceed \$12,874.24. Funding in the amount of \$60,000 is allocated from the FY19 Adopted Budget, Capital Improvements Plan, Mashta Bridge Design line item.

### BACKGROUND

The Village is in the process of completing the analysis and design for repair work required on West Mashta Drive Bridge. On October 30, 2018, the Village issued a work order for the structural engineering and analysis and design of the repairs for a sum not to exceed \$14,230. Upon completion of preliminary analysis and investigations, it became evident that an underwater inspection of the bridge is needed to complete the design. Inspection of steel sheet pile bulkhead at splash zone must be inspected and settlement at each concrete span must be measured.

To complete the necessary design work, the Consultant sought proposals from qualified diving inspection teams. Two (2) proposals were submitted to the Consultant, the proposals are summarized in the table below:

Vendor Name:	Cost:
Industrial Divers Corp.	\$12,874.24
Sea Divers Corp.	\$9,850.00



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## VILLAGE OF KEY BISCAIYNE

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Sea Divers Corp.'s proposal did not include a report for findings and recommendations, as well as inspection of the adjacent sheet piles, therefore it deemed unresponsive. The lowest responsive and responsible proposal was from Industrial Divers Corporation for the amount of \$12,874.24. **The Consultant has not included any mark-up on the proposal.**

Funding in the amount of \$60,000 is budgeted this fiscal year for this project. Including the recommended change order, \$27,104.24 has been obligated toward design with \$32,895.76 remaining.

Reviewed by Mr. Chad Friedman from Weiss Serota Helfman Cole & Bierman as to form and legal sufficiency.

**RESOLUTION NO. 2019-\_\_\_\_\_**

**A RESOLUTION OF THE VILLAGE COUNCIL OF THE VILLAGE OF KEY BISCAYNE, FLORIDA, APPROVING A CHANGE ORDER TO THE WORK ORDER ISSUED TO THE CORRADINO GROUP, INC. TO PERFORM STRUCTURAL ANALYSIS AND DESIGN SERVICES FOR WEST MASHTA DRIVE BRIDGE REMEDIAL REPAIRS; PROVIDING FOR AUTHORIZATION; AND PROVIDING FOR AN EFFECTIVE DATE.**

**WHEREAS**, the Village of Key Biscayne (the “Village”) issued Request for Qualifications No. 2016-02-09 (the “RFQ”) for continuing professional engineering services; and

**WHEREAS**, pursuant to the RFQ, the Village Council selected the Corradino Group, Inc. (the “Consultant”) as one of the consultants to provide continuing professional services relating to general civil engineering, transportation planning and engineering, environmental engineering, and landscape architecture, and authorized the Village Manager to execute an agreement with Consultant; and

**WHEREAS**, on October 19, 2018, the Village Council approved the issuance of a Work Order to Consultant to perform Structural Analysis and Design Services for West Mashta Drive Bridge Remedial Repairs (the “Project”); and

**WHEREAS**, an underwater inspection of the West Mashta Drive Bridge needs to be performed in order for Consultant to complete the Project; and

**WHEREAS**, the Consultant has provided a proposal, attached hereto as Exhibit “A,” (the “Change Order”) for the underwater inspection; and

**WHEREAS**, the Village Council desires to approve the Change Order; and

**WHEREAS**, the Village Council finds that this Resolution is in the best interest and welfare of the residents of the Village.

**NOW, THEREFORE, BE IT RESOLVED BY THE VILLAGE COUNCIL OF THE VILLAGE OF KEY BISCAIYNE, FLORIDA, AS FOLLOWS:**

**Section 1. Recitals Adopted.** That each of the above-stated recitals are hereby adopted, confirmed, and incorporated herein.

**Section 2. Change Order Approved.** That the Village Council hereby approves the Change Order attached hereto as Exhibit "A."

**Section 3. Authorization.** That the Village Manager is hereby authorized to execute the Change Order attached hereto as Exhibit "A" and take any and all action necessary to implement the purposes of this Resolution.

**Section 4. Effective Date.** That this Resolution shall take effect immediately upon adoption.

PASSED and ADOPTED this \_\_\_\_\_ day of \_\_\_\_\_, 2019.

ATTEST:

\_\_\_\_\_  
MICHAEL W. DAVEY, MAYOR

\_\_\_\_\_  
JENNIFER MEDINA, CMC  
VILLAGE CLERK

APPROVED AS TO FORM AND LEGAL SUFFICIENCY:

\_\_\_\_\_  
WEISS SEROTA HELFMAN COLE & BIERMAN, P.L.  
VILLAGE ATTORNEY

# THE CORRADINO GROUP, INC.

CORRADINO

ENGINEERS • PLANNERS • PROGRAM MANAGERS • ENVIRONMENTAL SCIENTISTS

April 10, 2019

Jake Ozyman, MSCM, PE, ENV SP  
Director of Public Works  
Village of Key Biscayne  
Public Works Department  
88 West McIntyre Street  
Key Biscayne, FL 33149

**Re: West Mashta Drive Bridge (Bridge No. 878400) Remedial Repairs \_ Additional Services for Underwater Inspection (REV)**

Dear, Mr. Ozyman,

As discussed, The Corradino Group, Inc. (CORRADINO) is pleased to present this letter scope and fee estimate to perform Underwater Inspection Services for the above referenced project.

## SCOPE OF SERVICES

The Village of Key Biscayne requires the following additional scope of services for the above-mentioned structure which include:

- Conduct underwater inspection services (see attached scope by **Industrial Divers Corporation "Exhibit A"**)

## SCHEDULE

The scope of work is anticipated to be completed within three (3) weeks from your notice to proceed.

## COMPENSATION

CORRADINO agrees to provide the scope of services above for the lump sum compensation of \$ \$ 12,874.24 , based on a Lump Sum contract. This proposal includes the services for Industrial Divers Corporation for underwater inspection services (see attached scope). Additional work not anticipated in this proposal will be billed as additional services as a negotiated lump sum. Written authorization will be required prior to the commencement of additional services.

CORRADINO appreciates your consideration of our firm for this project. To formally authorize us, kindly indicate so by returning a signed copy of our proposal. We look forward to working with you on this project. If you have any questions or if you require additional information, please do not hesitate to contact Cecilia Villoria at (305) 594-0735.

Presented by:



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Mike Ciscar, P.E.  
VP of Engineering and Planning  
The Corradino Group, Inc.

April 10, 2019

Accepted by:

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Jake Ozyman, MSCM, PE, ENV SP  
Director of Public Works  
Village of Key Biscayne

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Date

Attachments:  
Exhibit A

# INDUSTRIAL DIVERS CORPORATION

2901 SW 3rd Ave STE #5  
 Fort Lauderdale, FL 33315  
 (954) 523-2906 Office (954) 525-6521 Fax  
 idc@bellsouth.net

<i>Proposal</i>	
Date	Submitted by
1/25/2019	A. Delgado

Name / Address
The Corradino Group Attn: Mike Cisdar, PE 4055 NW 97th Ave. Miami, FL 33178

Project Address
Mike Ciscar, PE 305-975-3171 Office cvilloria@CORRADINO.com

Project Name / Job No.	Terms
Mashta Bridge	Net 30

Description	Qty	Rate	Total
Level I underwater inspection of the W Mashta Drive Bridge at Village of Key Biscayne  Industrial Divers Corporation (IDC) will provide a three diver team surface supplied with communications equipped diving helmets for a diver and standby diver.  Rates: (Non-Prevailing Wage Determination) • 3 Diver Team Straight Time: \$250.00/Hour "door to door" Monday - Friday 0600 hrs. to 1800 hrs. • 3 Diver Team Overtime: \$325.00/Hour "door to door" weekends, holidays and night shift 1800 - 0600 hrs.  Mileage: Round trip from Fort Lauderdale, FL @ \$0.58/ mile  Equipment: • Hydraulic powered underwater tools: hydraulic power heads with concrete grinding and de-scaling whirl away heads with portable hydraulic power pack, and 200' of duplex hydraulic hose @ \$350.00/day. • 3K PSI water blaster @ \$150.00/ day • Closed Circuit video system with lights and/or HD Camera in BlueFin housing with lights for HD video and digital still photos @ \$250.00/ day • Cygnus underwater ultrasonic thickness gauge: \$150.00/ day  Vessel:			

The above terms and conditions are hereby accepted. A finance charge of 1 1/2% per month which is an annual percentage rate of 18% is charged. Purchaser shall be liable for all the cost of collection including reasonable attorney's fee.

<b>Total</b>
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\_\_\_\_\_  
 Signature

\_\_\_\_\_  
 Print Name & Title

\_\_\_\_\_  
 Date

# INDUSTRIAL DIVERS CORPORATION

**2901 SW 3rd Ave STE #5  
Fort Lauderdale, FL 33315  
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Name / Address
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Project Address
Mike Cisdar, PE 305-975-3171 Office villoria@CORRADINO.com

Project Name / Job No.	Terms
Mashta Bridge	Net 30

Description	Qty	Rate	Total
36' x 11' aluminum twin engine barge with A-Frame \$850.00/ day Marina Fee: \$150.00/ night			
Project Estimate:			
Mobilization Lump Sum \$1,000.00	1	1,000.00	1,000.00
3 Diver Team: 2.5 days (12 hours per day) 30 hours @ \$250.00/Hour.	30	250.00	7,500.00
36' x 11' aluminum twin engine barge with A-Frame 2 days @ \$850.00/ day	2	850.00	1,700.00
Hydraulic powered underwater tools: 1 day @ \$350.00/day.	1	350.00	350.00
3K PSI water blaster 2 days @ \$150.00/ day	2	150.00	300.00
Closed Circuit video system with lights and/or HD Camera in BlueFin housing with lights for HD video and digital still photos @ \$250.00/ day	1	250.00	250.00
Cygnus underwater ultrasonic thickness gauge: 1 day @ \$150.00/ day	1	150.00	150.00
Written report with DVD copies of HD Video and photo documentation: \$250.00	1	250.00	250.00
Mileage: Round trip from Fort Lauderdale, FL 128 miles @ \$0.58/ mile	128	0.58	74.24
Marina Fee: 2 nights @ \$150.00/ night	2	150.00	300.00
Demobilization Lump Sum \$1,000.00	1	1,000.00	1,000.00
Proposal e-mailed to Cecilia Villoria <cvilloria@CORRADINO.com>			
<b>Total</b>			<b>\$12,874.24</b>

The above terms and conditions are hereby accepted. A finance charge of 1 1/2% per month which is an annual percentage rate of 18% is charged. Purchaser shall be liable for all the cost of collection including reasonable attorney's fee.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Print Name & Title

\_\_\_\_\_  
Date