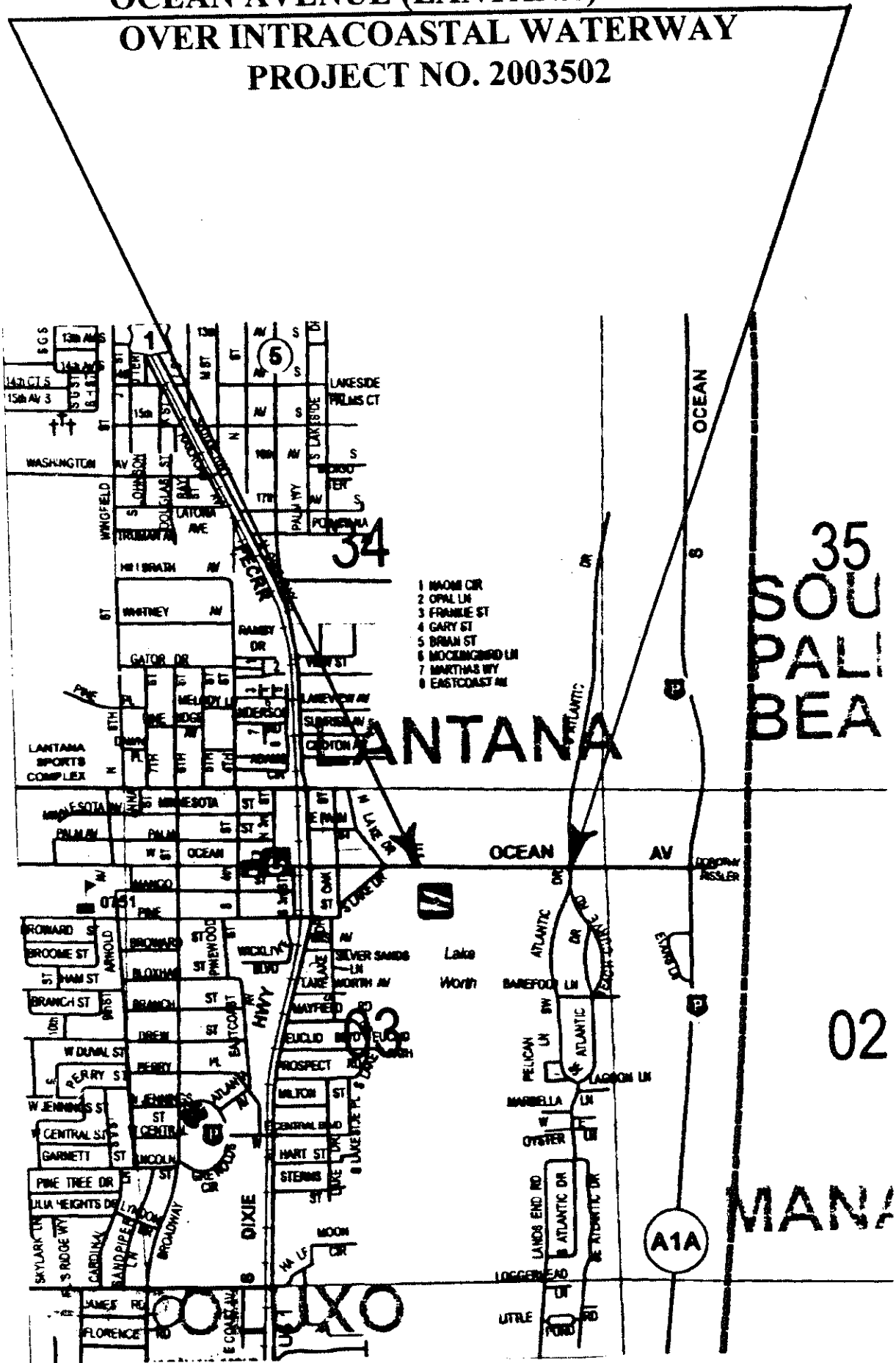






# PROJECT LOCATION OCEAN AVENUE (LANTANA) BRIDGE OVER INTRACOASTAL WATERWAY PROJECT NO. 2003502



LOCATION Sketch

ORIGINAL

CHANGE ORDER

ATTACHMENT NO.:

- Owner Initiated
- Differing Site Conditions
- Zoning/Code/Ordinance Changes
- Errors/Omissions/In Design

- Quantity Overruns/Underruns
- Request By Another Agency/Outside Party
- A = Reimbursable B = Non-Reimbursable
- Other

PROJECT: OCEAN AVENUE BRIDGE OVER  
(Name) INTRACOASTAL WATERWAY

CHANGE ORDER NO.: 04 (Four)  
COUNTY PROJECT NO.: 2003502  
CONTRACT DATE: 09/13/2011  
RESOLUTION NO.: R2011-1446  
DISTRICT NO.: 4

TO: GLF Construction Corporation

You are directed to make the following changes in this Contract:

Extra Work Abutment8 (Pile Driving)	ITEM TOTAL:	\$ 458,642.81
	<b>TOTAL:</b>	<b>\$ 458,642.81</b>

The original Contract sum was .....	\$ 29,681,238.26
Net change by previous Change Orders .....	\$ 298,687.64
The Contract Sum prior to this Change Order was .....	\$ 29,979,925.90
The Contract sum will be increased/decreased by this Change Order .....	\$ 458,642.81
The new Contract sum including this Change Order will be .....	\$ 30,438,568.71
The Contract Time will be changed by .....	(0) Zero Days
The Date of Completion as of the date of this Change Order therefore is .....	December 1, 2013

EXECUTION OF THIS CHANGE ORDER ACKNOWLEDGES FINAL SETTLEMENT OF, AND RELEASES ALL CLAIMS FOR, COSTS AND TIME ASSOCIATED, DIRECTLY OR INDIRECTLY, WITH THE ABOVE STATED MODIFICATION(S), INCLUDING ALL CLAIMS FOR CUMULATIVE DELAYS OR DISRUPTIONS RESULTING FROM, CAUSED BY OR INCIDENT TO, SUCH MODIFICATION(S), AND INCLUDING ANY CLAIM THAT THE ABOVE STATED MODIFICATION(S) CONSTITUTES, IN WHOLE OR PART, A CARDINAL CHANGE TO THE CONTRACT.

ENGINEER (If Applicable)	<u>GLF Construction Corporation</u>	<u>P.B.Co. Board of Co. Commissioner</u>
Address	CONTRACTOR <u>80 South West 8<sup>th</sup> Street</u> Address <u>Miami, Florida 33130</u>	OWNER <u>P.O.Box 21229</u> Address <u>West Palm Beach, Florida 33416-1229</u>
BY _____	BY <u>[Signature]</u>	BY _____
DATE _____	DATE <u>Jan 21, 2013</u>	DATE _____

PALM BEACH COUNTY ENGINEERING AND PUBLIC WORKS



## Summary of Abutment 8 Issue

GLF submitted a NOI to file a claim for extra work at Abutment 8 on April 16, 2012 due to unforeseen subsurface conditions that were encountered while driving piles. Field conditions present at Abutment 8, station 24+66 substantially differ from the soil borings that were taken at stations 24+06 and 25+33. The variations appear to be the result of a dramatic reduction in the depth of the coquina that exists in the vicinity of abutment 8. These conditions required the Contractor to incur costs associated with work that is beyond the scope of the original contract. The Contractor is requesting payment of \$483,770.68 due to these unforeseen conditions. Once a finalized cost has been negotiated, it will be partially offset by a \$133,560.00 credit realized from a reduced length of production piles actually used on the job.

### Timeline of Events

On April 5, 2012 GLF attempted to drive Test Pile 5 at Abutment 8 (Pile MK-13). During the drive the pile experienced excessive tensile stresses at a depth of -13 significantly above the required minimum tip, -50 feet. The pile was extracted, upon extraction noticeable damaged was observed. The damage to the pile was determined to not be repairable and the pile had to be replaced.

Following FDOT procedures, the Contractor was instructed to pre-form the hole prior to resetting and driving the new test pile. The Contractor followed this procedure using a 30 inch auger to pre-form the hole to a depth of -30 feet. After auguring the test pile was set and driven approximately 3 feet. During the driving the blow count remained within the allowable tolerance ( 15 to 20 blows per foot), when a large visible section of the pile spalled off. It appears that this was caused by the edge of the pile hitting the hard coquina layer.

In order to clear and remove all possible obstructions to driving the pile, the Contractor was instructed to obtain a 36" auger as required by FDOT specifications for installing piles in rock. The Contractor augured the hole but was unable to set the pile as the augered hole continually filled up with material. This was initially attributed to caving in of the loose material above the rock layer. The Engineer recommended that a casing be installed to prevent caving in of the loose material. Three 14 foot casings were obtained. After setting the casing the auger was unable to maintain a clean hole within the casing. This condition prevented the setting and driving of a pile. It was later determined that the filling of the hole was due to the existence of a previously unobserved high hydrostatic pressure that was released after auguring through the coquina layers.

Prior to proceeding the Geotechnical Engineer was contacted and a 100 foot boring was taken at the center of Abutment 8. This area was not available for obtaining a boring at the time of design due to the existence of the bridge abutment. The boring showed the presence of 3 extremely hard layers. 1<sup>st</sup> layer is at 2 foot thick coquina layer at elevation -5 feet, the 2<sup>nd</sup> layer is approximately 15 feet thick and starts at elevation -12 feet, the 3<sup>rd</sup> hard layer is approximately 10 feet thick at located at elevation -64 feet. Using this information pile lengths for both the end abutment and the steel sheet piling were able to be reduced.

Per the EOR recommendations the 38" O.D. casing was installed to the top of the second hard layer and the test-pile hole cleaned out to an elevation of -43 feet. Measurements were taken after preforming showing a clean hole of -38 feet. After rigging and placement of 24" square pile the hydrostatic pressure filled in the hole to 13 feet below the top of the casing. The Contractor was unable to set the pile below the second hard coquina layer and was unable to reach minimum tip elevation by driving the pile. The pile was subsequently removed.



A fifth and final attempt was made to install the test pile (8-5) using the following procedure:

- Perform the test pile hole with the 36" auger
- Install the steel casing to a minimum of 2 feet below the 2<sup>nd</sup> hard coquina layer
- Remove all earth and debris within the casing
- Set an air jet into performed hole
- Place pile into performed hole
- Air jet the pile to 5 feet below the 2<sup>nd</sup> hard layer
- Remove casing
- Drive pile to the required resistance

The use of the pile jetting procedure required the approval of the engineer as this was the only practical method of overcoming the high hydrostatic pressure. After the successful installation of the test pile on August 1, 2012, the same construction techniques were used for the remaining production piles with the contractor purchasing additional casings to speed up the installation. The remaining (9) nine production piles were completed on September 13, 2012.



April 16, 2012

E C Driver  
323-B East Ocean Avenue  
Lantana, FL 33462

Hand Delivery

**Attn:** David Holden P.E., Senior Project Engineer

**Re:** Ocean Avenue (Lantana) Bridge over Intracoastal Waterway  
Project No.: 2003502

**Subject:** Notice of Intent to Claim; "For the Performance of Unforeseeable Work as a Direct Result of the Different Site Conditions Encountered while Driving Test Pile No. 5 at End Bent No. 8".

**Our Reference:** 390/036/AS

Dear Mr. Holden,

Please consider this letter as GLF Construction Corporation's Notice of Intent to Claim in accordance with the provisions of Article 5-12 of the Standard Specifications as amended by the General Provisions to the Contract, for the performance of Unforeseeable Work as a direct result of the Different Site Conditions encountered while attempting to drive test pile no. 5 at end bent no. 8 under the directions and supervision of the Engineer.

GLF will seek full compensation under the provisions of the Contract Documents for those costs incurred, and contract time extension equal to the time spent in the performance of the above mentioned activity, and any other time delay this time extension may have on other subsequent scheduled activities. These costs will include, but not be limited to, labor, equipment, materials, engineering, subcontractor's expenses and any and all other unforeseeable additional charges related to this alteration to the Contract Schedule.

Sincerely,

**GLF CONSTRUCTION CORPORATION**

A handwritten signature in black ink, appearing to read "Andres N. Sosa", is written over a horizontal line.

Andres N. Sosa, Project Manager

cc: 390 File: 0201, 0501, Michael Miles, GLFVP. Ernie Howard, Operation VP, William Junkin, GLF VP,

Ocean Avenue (Lantana) Project Office  
323-A East Ocean Avenue, Lantana, Florida 33462 • Tel.: (561) 588-5361 • Fax: (561) 588-5435  
[www.glfusa.com](http://www.glfusa.com)



Palm Beach County  
East Ocean Avenue Replacement Project  
Project No. 2003502



Mr. Andres Sosa  
GLF Construction Corporation  
323 A East Ocean Avenue  
Lantana, FL 33462

April 18, 2012

Project No.: 2003502  
County: Palm Beach  
Description: Ocean Avenue Bridge Replacement

**RE: Notice of Intent to Claim No. 03 – Performance of Unforeseen Work at End Bent 8**

Dear Mr. Sosa,

This is written to acknowledge receipt of your hand delivered letter dated April 16, 2012, wherein you informed us of your intent to file a claim for Additional Compensation and Contract Time Extension due to the performance of alleged unforeseen work at End Bent 8.

Should you plan to drop the claim, please notify us in writing indicating that the claim has been abandoned. Should you plan to pursue the claim, provide a complete claim package including the following information:

1. A detailed factual statement of the claim providing all necessary dates, locations, and items of work affected and included in each claim;
2. The date or dates on which actions resulting in the claim occurred or conditions resulting in the claim became evident;
3. Identification of all pertinent documents and the substance of any material oral communications relating to such claim and the name of the persons making such material oral communications;
4. Identification of the provisions of the Contract which support the claim and a statement of the reasons why such provisions support the claim, or alternatively, the provisions of the Contract which allegedly have been breached and the actions constituting such breach;
5. A detailed compilation of the amount of additional compensation sought and a breakdown of the amount sought as follows:
  - Documented additional job site labor expenses;
  - Documented additional cost of materials and supplies;
  - Provide, a list showing all equipment (other than small tools) for which the Contractor may request compensation, equipment identification number with serial number, manufacturer, year manufactured, model and description.
  - A list of additional equipment costs claimed, including each piece of equipment and the rental rate claimed for each;
  - Any other additional direct costs or damages and the documents in support thereof;
  - Any additional indirect costs or damages and all documentation in support thereof.
6. A detailed compilation of the specific dates and the exact number of calendar days sought for a time extension, the basis for entitlement to time for each day, all documentation of the

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EC Driver & Associates – 323 B East Ocean Avenue Lantana, Fl. 33462

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delay, and a breakout of the number of days claimed for each identified event, circumstance or occurrence.

7. On a weekly basis, provide the Project Administrator a copy of the Contractor's Daily records. **(5-12.7 Mandatory Claim Record)** ".....The Contractor shall, once a notice of intent to claim has been timely filed, and not less than weekly thereafter as long as appropriate, provide the Engineer a copy of the Contractor's daily records and be likewise entitled to receive a copy of the Department's daily records...."
8. The Contractor will be required to certify the Claim by an officer or director with the authority to bind the Contractor as described by **5-12.9, Certificate of Claim**.

Should you have any questions concerning this correspondence, please contact me at your earliest convenience. We would like to address and close this matter as soon as possible.

**EC Driver & Associates, Inc.**



David Holden, P.E.  
Project Engineer

cc: Kristine Frazell-Smith, P.E. Palm Beach County Construction Manager  
John Kopelakis, P.E., Chief Construction Coordinator  
Ellis Ross, Director Palm Beach County Environmental  
Luis Costa, P.E., EC Driver & Associates Project Manager  
File

OCEAN AVENUE BRIDGE REPLACEMENT  
PALM BEACH COUNTY  
PROJECT ID 2003502



**Abutment 8 Unforeseen Work - ECDriver Summary of Hours**

LABOR				Labor Rates (per hour, incl burden)		Labor Hours	Labor Cost	Jun-12							July										
Name	Position	Regular	Burden					18	19	20	21	22	23	26	2	3	5	6	7	10	25	26	27	28	
Cartwright, Keith	Foreman	\$ 20.00	\$ 9.10			242																			
Goodale, William	Operator	\$ 25.00	\$ 8.31			433.5																			
Bethell, Kevin	Laborer	\$ 18.00	\$ 8.50			287																			
Bethell, Kevin	Laborer	\$ 14.00	\$ 8.31			121																			
Watson Jr., John	Laborer	\$ 13.00	\$ 6.34			205																			
Dalosio, Richard	Operator	\$ 25.00	\$ 8.31			28																			
Liburd, Lawrence	Operator	\$ 16.00	\$ 7.59			21																			
Osuna, Carlos	Welder	\$ 18.00	\$ 8.50			338																			
Rios, Edgardo	Laborer	\$ 18.00	\$ 8.50			254.5																			
Rios, Edgardo	Laborer	\$ 16.00	\$ 7.89			116																			
Graham, Willie	Runner	\$ 11.40	\$ 5.93			8																			
Umana, Juan	Welder	\$ 16.00	\$ 7.10			129.5																			
Triana, Luis	Laborer	\$ 13.00	\$ 6.34			299																			
Triana, Luis	Laborer	\$ 11.50	\$ 5.96			130																			
Schuler, Keelan	Rodman	\$ 11.40	\$ 5.93			193																			
Lamoureux, Keith	Laborer	\$ 11.40	\$ 5.93			52.5																			
<b>TOTAL LABOR</b>																									
<b>COMPANY OWNED EQUIPMENT</b>																									
		Allowable Blue Book Equipment Rates			Equipment Hours		Equipment Cost (Active + Idle)																		
		Oper Cost	Owner Cost	Idle Rate																					
Crane, Kobelco CK2500 II		\$144.30	\$122.82	\$61.41	432.5		\$ 115,529.40	Active	11	11	10	12	4	2	6.5	10.5	10	10	6.5	2			9	2	6
Crane, Crawler (American 7260)		\$95.80	\$78.13	\$39.07	18.5		\$ 1,138.09	Idle																	
Crane, Crawler (American 9299)		\$119.05	\$97.05	\$48.53	0		\$ -	Active			2														
Crane, Crawler (American 9310-A)		\$133.50	\$91.39	\$45.70	0		\$ -	Idle																	
Hammer, diesel, APE D46-42 with leads		\$54.50	\$46.32	\$23.16	42		\$ 4,234.44	Active				4													
Vibrator Hammer, ICE 815		\$28.10	\$25.40	\$12.70	341		\$ 7,897.56	Idle	8	8	8	8	4	2	6.5	8	8	8	6	2			2	8	6
Hammer, vibratory APE 50		\$52.60	\$24.15	\$12.08	28		\$ 1,498.00	Active			3				1										
Hammer, vibratory APE 50		\$52.60	\$24.15	\$12.08	17		\$ 215.90	Idle																	
HSPI 450 (500) Vibro w/P.U.		\$110.80	\$39.19	\$19.60	92.5		\$ 1,765.25	Active	5				4		8	2	2	2							
HSPI 450 (500) Vibro w/P.U.		\$110.80	\$39.19	\$19.60	117		\$ 1,116.94	Idle	5		8	8		2	2.5	2	8	8	4	2			2	8	3
Tug Boat		\$17.27	\$81.00	\$40.50	154		\$ 17,548.83	Active																	
Tug Boat		\$17.27	\$81.00	\$40.50	42		\$ 3,017.63	Idle																	
Barge, Spud, MOBRO 1213		\$27.45	\$63.80	\$31.90	42.5		\$ 4,127.34	Active	2	4	5.5	2	4	2	4	2									
Barge, Spud, MOBRO 1218		\$27.45	\$64.56	\$32.28	0		\$ 1,721.25	Idle				6													
Barge, Spud, MOBRO 1209		\$27.45	\$60.90	\$30.45	0		\$ -	Active																	
Barge, Spud, MOBRO 1209		\$27.45	\$60.90	\$30.45	5		\$ 441.75	Idle																	
Service Barge (12 sec 10'x40')		\$ 6.00	\$ 44.81	\$22.41	443.5		\$ 22,334.24	Active	11	11	10	12	4	2	4	10	10	10	6	2			9	3	8
Service Barge (12 sec 10'x40')		\$ 6.00	\$ 44.81	\$22.41	2		\$ -	Idle	2																
Carpenter Barge		\$ 8.09	\$ 20.00	\$10.00	190		\$ 5,337.10	Active	4	4	10	4	4	2	2	4	10	4	4	2	2			4	6
Carpenter Barge		\$ 8.09	\$ 20.00	\$10.00	89.5		\$ 895.00	Idle									6							4	6

OCEAN AVENUE BRIDGE REPLACEMENT  
PALM BEACH COUNTY  
PROJECT ID 2003502



**Abutment 8 Unforeseen Work - ECDriver Summary of Hours**

COMPANY OWNED EQUIPMENT	Allowable Blue Book Equipment Rates			Equipment Hours	Equipment Cost (Active + Idle)		Jun-12							July											
	Oper Cost	Owner Cost	Idle Rate				18	19	20	21	22	23	26	2	3	5	6	7	10	25	26	27	28		
	\$	\$	\$																						
Crew Boat (Jon Boat)	\$ 2.85	\$ 18.80	\$9.40	214.5	\$ 4,601.03	Idle																			
Welder, stick, 300 amp, 26 hp (Miller)	\$5.40	\$0.87	\$0.44	0	\$ -	Active	4	4	4	4	4	4	4												
Welder, stick, 300 amp, 26 hp (Lincoln)	\$5.40	\$0.87	\$0.44	296	\$ 1,855.92	Active	4		8	8	4											3.5	2		
Ford Transit Connet (Survey) van	\$13.10	\$2.34	\$1.17	93	\$ 40.46	Idle	6		2	4	2										2	4.5	4		
Diesel Generator Ingersol Rand 7.2 KW	\$ 5.45	\$ 2.37	\$1.17	13	\$ 5.66	Idle																			
Sullair Air Compressor (49Hp 185)	\$ 14.70	\$ 2.99	\$1.50	65	\$ 1,003.60	Active	5	2	5	3	3														
Connexes	\$ 20.00			5	\$ 5.85	Idle								4	4	2					2		1.5		
Porta lets	\$ 5.00			27	\$ 211.14	Active																			
				354.5	\$ 420.08	Idle	8	8	8	8	4	2	6.5	8	8	8	8	2				2	7	6	6
				125	\$ 186.88	Active																			
				53	\$ 1,080.00	Idle	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
				0	\$ -	Active																			
				53	\$ 265.00	Idle	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
				0	\$ -	Active																			
				0	\$ -	Idle																			
<b>TOTAL EQUIPMENT</b>					<b>\$ 245,256.21</b>																				



OCEAN AVENUE BRIDGE REPLACEMENT  
PALM BEACH COUNTY  
PROJECT ID 2003502



**Abutment 8 Unforeseen Work - ECDriver Summary of Hours**

Jun-12						July										
18	19	20	21	22	23	26	2	3	5	6	7	10	25	26	27	28

Summary			
	Sub-total	Allowable Markup	Sub-Total
Labor	\$ 71,050.03	20.00%	\$ 85,260.04
AW Equipment	\$ 245,258.21	0.00%	\$ 245,258.21
Rental Equipment	\$ 47,785.35	0.00%	\$ 47,785.35
Subcontractor	\$ 1,480.00	0.00%	\$ 1,480.00
Material	\$ 51,722.27	15.00%	\$ 59,480.61
Subtotal		0.00%	\$ 439,244.21
Mark up		10.00%	\$ 19,398.60
Bond		1.36%	\$ 6,879.64
<b>Total:</b>			<b>\$ 465,522.45</b>

193,986.00  
458,642.81

OCEAN AVENUE BRIDGE REPLACEMENT  
PALM BEACH COUNTY  
PROJECT ID 2003502



Abutment 8 Unforeseen Work - ECDR

		Aug-12																							Sep-12													
LABOR		30	31	1	2	3	4	6	7	8	9	10	11	13	14	15	16	17	18	20	21	22	23	24	25	4	5	6	7	8	10	11	12	13	14	20	21	
Name	Position																																					
Cartwright, Keith	Foreman										5	10	10.5	10	10	11	10.5	10	8	10	10	10	10	10	8.5	5	10	10	10	11.5	11.5	10	10.5	5	5	5	5	
Goodale, William	Operator	10		10	10	7	7	10	10	10	10	10	10.5	10	10	11	9	10	8	10	10	10	10	10	8.5	5	10	10	10	11.5	11.5	10	10.5	5	5	5	5	
Bethell, Kevin	Laborer			10.5	10	7	7						10.5	10	3	7	10.5	10	8	10	10	10	10	10	8.5	3.5	10	10	10	11	11.5	10	10.5	5	5	5	5	
Bethell, Kevin	Laborer	10	10																																			
Watson Jr., John	Laborer										10																											
Dalosio, Richard	Operator		10		2	1					10				11	11	9		8	10	10	10	10	10	8.5	3	10	10	10	11	11.5	10	10.5	5	5	5	5	
Liburd, Lawrence	Operator				2	1					3																											
Osuna, Carlos	Welder	10	10	11	10	7	7	10	10	10	10			10	10	11	10.5	10	8	10	10	10	10	10	8.5	5												
Rios, Edgardo	Laborer			10.5	10	7	7	10	10	10	10	10	10.5	10	10	11	6	10																				
Rios, Edgardo	Laborer	10	10																																			
Graham, Wille	Runner				2						2																											
Umana, Juan	Welder											7					8	10	8																			
Triana, Luis	Laborer			10.5	9	7	7	10	10	10	10	10		10	10	11	10.5	10	8																			
Triana, Luis	Laborer	10	10																																			
Schuler, Keelan	Rodman	6	5	5	4		7	3	4		5	3			4	2	4	6																				
Lamoureux, Keith	Laborer				0							7																										
<b>TOTAL LABOR</b>																																						
<b>COMPANY OWNED EQUIPMENT</b>																																						
Crane, Kobelco CK2500 II		10	10	10	10	5	7	8	10	10	9	10	8	9	9	10	9.5	9.5	8	10	10	10	10	10	8.5	5	10	10	10	11.5	11.5	10	10.5	5	5	5	5	
Crane, Crawler (American 7260)					2	1							2.5	1	1	1	1	1																				
Crane, Crawler (American 9299)												3																										
Crane, Crawler (American 9310-A)																																						
Hammer, diesel, APE D46-42 with leads		8	8	8	8	7	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	5	8	8	8	8	8	8	8	8	8	8	
Vibrator Hammer, ICE 815					7																																	
Hammer, vibratory APE 50					1																																	
HSP1 450 (500) Vibro w/P.U.		8	8		8																																	
Tug Boat					3	8		8	4	2	4	5	5.5	8	4	4	4	8	3.5	6	5	5	8	6	5	5	5	2	8	4	7	0	8	6		5	5	
Barge, Spud, MOBRO 1213		10	10	10	10	10	7	10	10	10	10	10	10.5	10	10	10	10.5	11	8	10	10	10	10	10	10	8.5	5	10	10	10	11.5	11.5	10	10.5	5	5	5	5
Barge, Spud, MOBRO 1218																																						
Barge, Spud, MOBRO 1209																																						
Service Barge (12 sec 10'x40')		10	10	11	10	10	7	10	10	8	10	10	10	10	10	10	10.5	11	8	10	10	10	10	10	10	8.5	5	10	10	10	11.5	11.5	10	10.5	5	5	5	5
Carpenter Barge		8		4	2	4	4	4	4	6	4	3	4	4	4	4	4	4	2																			



OCEAN AVENUE BRIDGE REPLACEMENT  
PALM BEACH COUNTY  
PROJECT ID 2003502



Abutment 8 Unforeseen Work - ECDr		Aug-12														Sep-12																										
		30	31	1	2	3	4	6	7	8	9	10	11	13	14	15	16	17	18	20	21	22	23	24	25	4	5	6	7	8	10	11	12	13	14	20	21					
<b>RENTAL EQUIPMENT</b>																																										
Apri D75 Auger, 60'x37" Leads, centralizer, 350 PU																																										
J&M 44 Vibro with Power Pack from Ape		1 8	2 8	4 7	2 8						1	1									1 9		1 1	1 1	1 9	2 7																
HPSI 500 Vibro w/PU (Delivery)																																										
JLG 600SJ Manlift																																										
Kobelco SK350LC Crawler Exc																																										
Kobelco SK260-9 Crawler Exc																																										
185 CFm Compressor																																										
<b>TOTAL RENTAL EQUIP</b>																																										
<b>SUBCONTRACTORS - Labor &amp; Equipment</b>																																										
Name/Type	Title																																									
Engecon																																										
<b>TOTAL SUBCONTRACT</b>																																										
<b>MATERIALS</b>																																										
K&D EQUIP CO. Invoice # 12-297	Auger																																									
Cert Silings Inc Inv #9002906	Repl teeth																																									
Cert Silings Inc Inv #9003146	poly silings																																									
Infra-Metals Inv# 310747	6x6x3 angle																																									
Infra-Metals Inv# 310748	14x74 angle																																									
Air Jet Fitting & Hose																																										
SouthEastern Prestressed Concrete	80 & 75ft piles																																									
Action Bolt & Tool Inv #3253585	screws																																									
Action Bolt & Tool Inv #3262087	Epoxy																																									
Action Bolt & Tool Inv #3264364	screws																																									
Action Bolt & Tool Inv #3275913	lo-washers																																									
Action Bolt & Tool Inv #3275914	Flat Washers																																									
P&M Welding Supply Inv # 89095	Weld rods																																									
Pile Equipment Inv #27316	St ear Fender																																									
Pile Equipment Inv #27318	move/fix jaw																																									
<b>TOTAL MISCELLANEOUS</b>																																										





OCEAN AVENUE BRIDGE REPLACEMENT  
 PALM BEACH COUNTY  
 PROJECT ID 2003502



Abutment 8 Unforeseen Work - ECDr

		Aug-12																								Sep-12									
30	31	1	2	3	4	6	7	8	9	10	11	13	14	15	16	17	18	20	21	22	23	24	25	4	5	6	7	8	10	11	12	13	14	20	21

OCEAN AVENUE BRIDGE REPLACEMENT  
PALM BEACH COUNTY  
PROJECT ID 2003502



LABOR		22	27			
Name	Position					
Cartwright, Keith	Foreman					
Goodale, William	Operator		1.5			
Bethell, Kevin	Laborer		1.5			
Bethell, Kevin	Laborer					
Watson Jr., John	Laborer		1.5			
Daloso, Richard	Operator					
Liburd, Lawrence	Operator					
Osuna, Carlos	Welder					
Rios, Edgardo	Laborer	6	1.5			
Rios, Edgardo	Laborer					
Graham, Willie	Runner					
Umana, Juan	Welder					
Triana, Luis	Laborer		1.5			
Triana, Luis	Laborer					
Schuler, Keelan	Rodman					
Lamoureux, Keith	Laborer					
<b>TOTAL LABOR</b>						
<b>COMPANY OWNED EQUIPMENT</b>						
Crane, Kobelco CK2500 II			1.5			
Crane, Crawler (American 7260)						
Crane, Crawler (American 9299)						
Crane, Crawler (American 9310-A)						
Hammer, diesel, APE D46-42 with leads						
Vibrator Hammer, ICE 815						
Hammer, vibratory APE 50						
HSP1 450 (500) Vibro w/P.U.						
Tug Boat			1.5			
Barge, Spud, MOBRO 1213			1.5			
Barge, Spud, MOBRO 1218						
Barge, Spud, MOBRO 1209						
Service Barge (12 sec 10'x40')			1.5			
Carpenter Barge			1.5			



OCEAN AVENUE BRIDGE REPLACEMENT  
 PALM BEACH COUNTY  
 PROJECT ID 2003502



<b>Abutment 8 Unforeseen Work - ECDr</b>		22	27		
<b>COMPANY OWNED EQUIPMENT</b>					
Crew Boat (Jon Boat)			1.5		
Welder, stick, 300 amp, 26 hp (Miller)					
Welder, stick, 300 amp, 26 hp (Lincoln)					
Ford Transit Connet (Survey) van					
Diesel Generator Ingersol Rand 7.2 KW					
Sullair Air Compressor (49Hp 185)					
Connexes			1		
Porta lets			1		
<b>TOTAL EQUIPMEN</b>					

OCEAN AVENUE BRIDGE REPLACEMENT  
PALM BEACH COUNTY  
PROJECT ID 2003502



Abutment 8 Unforeseen Work - ECDr		22	27				
<b>RENTAL EQUIPMENT</b>							
Apra D75 Auger, 60'x37" Leads, centralizer, 350 PU							
J&M 44 Vibro with Power Pack from Ape							
HPSI 500 Vibro w/PU (Delivery)							
JLG 600SJ Manlift							
Kobelco SK350LC Crawler Exc							
Kobelco SK260-9 Crawler Exc							
185 CFm Compressor							
<b>TOTAL RENTAL EQUIP</b>							
<b>SUBCONTRACTORS - Labor &amp; Equipment</b>							
<b>Name/Type</b>	<b>Title</b>						
Engecon							
<b>TOTAL SUBCONTRAC</b>							
<b>MATERIALS</b>							
K&D EQUIP CO. Invoice # 12-297	Auger						
Cert Slings Inc Inv #9002906	Repl teeth						
Cert Slings Inc Inv #9003146	poly slings						
Infra-Metals Inv# 310747	6x6x3 angle						
Infra-Metals Inv# 310748	14x74 angle						
Air Jet Fitting & Hose							
SouthEastern Prestressed Concrete	80 & 75ft piles						
Action Bolt & Tool Inv #3253585	screws						
Action Bolt & Tool Inv #3262087	Epoxy						
Action Bolt & Tool Inv #3264364	screws						
Action Bolt & Tool Inv #3275913	lockwashers						
Action Bolt & Tool Inv #3275914	Flat Washers						
P&M Welding Supply Inv # 89095	Weld rods						
Pile Equipment Inv #27318	Shear Fender						
Pile Equipment Inv #27318	move/fix jaw						
<b>TOTAL MISCELLANEOUS</b>							



OCEAN AVENUE BRIDGE REPLACEMENT  
PALM BEACH COUNTY  
PROJECT ID 2003502



**Abutment 8 Unforeseen Work - ECDr**

22	27		
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CHANGE ORDER HISTORY

PALM BEACH COUNTY PROJECT Ocean Avenue Bridge over Intracoastal Waterway; Project No. 2003502

C.O. #	DATE APPROVED	COUNTY ENGINEER		C.R. COMMITTEE		TOTAL DEPT. & C.R. APPROVALS		BOARD OF CO. COMM.	
		AMOUNT	TIME	AMOUNT	TIME	AMOUNT	TIME	AMOUNT	TIME
1	9/13/2011							154,000.00	0
2	6/13/2012			51,498.19	0				
3	2/13/2013			93,189.45	7				
	TOTAL	0.00	0	144,687.64	7	144,687.64	7		
	CUMULATIVE TOTAL	0.00	0	144,687.64	7	144,687.64	7		
	As of PPM CW-F-050 Dated June 1, 2011	SINGLE AMT. \$50,000.00 MAX. AMT. \$250,000.00 or 5% of contract	MAX. TIME 30 DAYS	SINGLE AMT. \$100,000.00 MAX. AMT. \$250,000.00 or 5% of contract	MAX. TIME 90 DAYS	MAXIMUM CUMULATIVE CO. ENG. & C.R. COMM. \$250,000.00 or 5% of contract	MAX. CUM. CO.ENG.&C.R. 120 DAYS		

Attachment #3



**SCHEDULE 1**

**LIST OF PROPOSED SBE-M/WBE SUBCONTRACTORS  
CHANGE ORDER WORK**

PROJECT NAME: Ocean Ave (Lantana) Bridge Over Intracoastal Waterway PROJECT NO. 2003502

NAME OF GENERAL CONTRACTOR: GLF Construction Corporation CONTACT PERSON: Andres N. Sosa

PHONE NO: (561) 588-5361 CCP #: \_\_\_\_\_

**PLEASE IDENTIFY ALL APPLICABLE CATEGORIES OF SUBCONTRACTORS**

Name, Address and Phone Number	(Check one or both Categories)		Subcontract Amount				
	Minority Business	Small Business	Black	Hispanic	Women	Caucasian	Other (Please Specify)
1. Engecon Construction, Inc. 2290 10th Ave, Suite 408 Lake Worth - FL 33461 (tel. 321-231-8872)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	\$ 0.00	\$ 0.00	\$ 1,460.00	\$ 0.00	\$ 0.00
2. _____	<input type="checkbox"/>	<input type="checkbox"/>	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
3. _____	<input type="checkbox"/>	<input type="checkbox"/>	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
4. _____	<input type="checkbox"/>	<input type="checkbox"/>	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
5. _____	<input type="checkbox"/>	<input type="checkbox"/>	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
(Please use additional sheets if necessary)	Total		\$ 0.00	\$ 0.00	\$ 1,460.00	\$ 0.00	\$ 0.00

Change Order Price \$ 458,642.81 Total Value of SBE Participation \$ 1,460.00 M/WBE Participation \$ 0.00