



PUBLIC WORKS

ROUTING FORM FOR TASK ORDERS – CITY MANAGER’S APPROVAL

1-22-14  
PUR-2  
14-0112

5  
E

Project/Contract Number: 12010/636-11225 CMO Log #: \_\_\_\_\_  
 Document Title: Task Order #6 ✓ Attached:  3 original  
 Department: Public Works - Engineering

Purpose:  
 Task Order to the Agreement between the City and PSI for geotechnical/concrete testing services for the NE 55<sup>th</sup> St Bridge Project.  
*Master C.O. 1/6/2016*

FUNDING INFORMATION

CIP Funded Project: Yes  No   
 Amount Required by Task Order: \$375.00  
 Index/Sub Object Code: PBS 040901-3437  
 Engineering Finance Approval Sign: [Signature] 1/9/15

APPROVAL ROUTING –PUBLIC WORKS

	Approved:	Disapproved:	Signature/Initials
Carlos Acosta, PE, PMP Project Manager	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>[Signature] /CA</i>
Scott Teschky, CCM, LEED AP BD+C Senior Project Manager	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>[Signature]</i>
Jeffrey Benjamin, P.E. Construction Manager	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>[Signature]</i>
Talal Abi-Karam, P.E. Assistant Public Works Director – Engineering	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>TAIK 01-09-2015</i>

*Task orders must be signed by pm (Scott Teschky)*  
 APPROVAL ROUTING –FINANCE DEPARTMENT

	Recommend Approval:	Disapproved:	Signature/Initials
<i>1:42</i> Kirk W. Buffington, C.P.M., Finance Director	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>[Signature]</i>

APPROVAL ROUTING – CITY ATTORNEY’S OFFICE

	Approved as to form:	Disapproved:	Signature/Initials
<i>2015 FEB 10</i> City Attorney	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>[Signature]</i>

APPROVAL ROUTING – CITY MANAGER’S OFFICE

	Approved:	Disapproved:	Signature/Initials
Lee R. Feldman, ICMA-CM, City Manager	<input type="checkbox"/>	<input type="checkbox"/>	

CITY CLERK’S OFFICE Upon approval by the City Manager, please route this form along with Task Order to PW- Engineering, Kian Movafaghi (Ext. 7818).)

TASK ORDER #: **6**

<b>CONTRACTOR:</b> PSI (PROFESSIONAL SERVICE INDUSTRIES, INC) 1901 S. MYERS RD, 4TH FL OAKBROOK TER, IL 60181 Phone: (954) 267-0965 Fax: (954) 267-0944	<b>CONTRACT NUMBER:</b> 636-11225 <b>CONTRACT DESC:</b> 2 YR CONTRACT FOR GEOTECHNICAL ENGINEERING & LABORATORY CONTRACT - P11895 <b>CC AWARD:</b> 1/22/14,PUR-2,CAM#14-0112 <b>UNIT COST:</b> \$200,000 CONTRACT CAP
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<b>TO:</b> City of Fort Lauderdale 100 North Andrews Avenue Fort Lauderdale, FL 33301	<b>CITY CONTACT:</b> Carlos Acosta <b>PHONE:</b> (954)828-6185 <b>FAX:</b> (954)828-5074
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<b>PROJECT NAME:</b> <u>12010 Annual Contract for Bridge Repair, Maintenance and Painting</u> <b>PROJECT LOCATION:</b> NE 55th Street Bridge 865709	<b>FUNDING SOURCE:</b> PBS040901-3437 <b>TASK ORDER DATE:</b> 12/16/2014
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**SUMMARY OF WORK :**  
 Provide geotechnical testing services at the NE 55th Street Bridge Project 12010. Testing services include, but not limited to, slump tests, concrete cylinder specimens and concrete compression testing.


**BILLING RATES INCLUDED IN CONTRACT**

ITEM #	ITEM DESCRIPTION	Qty	UNIT	UNIT PRICE	TOTAL PRICE
	ADMIN/CLERICAL (HR) - APRIL/MAY ADMIN TIME	1		\$45.00	\$45.00
	ENGINEER, PROF/REG(HR)- APRIL/MAY ENGINEER TIME	1		\$100.00	\$100.00
	CON, COMPST - 4X8 CY(EA)	8		\$15.00	\$120.00
	CON, SLUMP TEST(EA)	2		\$10.00	\$20.00
	SAMPLE PICK UP (TRIP)	2		\$45.00	\$90.00

**Total Bid Price Included in Contract: \$375.00**

**Professional Service Industries, Inc.**

**Contractor:**

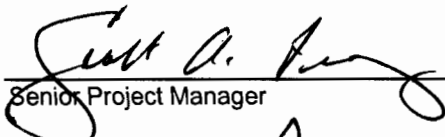
By:  Date: 1/6/15

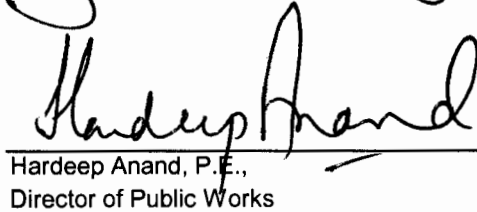
Authorized Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
CHRIS ANDREONI BRANCH MANAGER  
 Print Name and Title

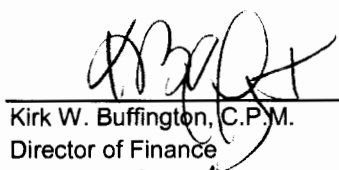
Task Order No.: 6  
Project No.: 12010  
Contractor: Professional Service Industries, Inc

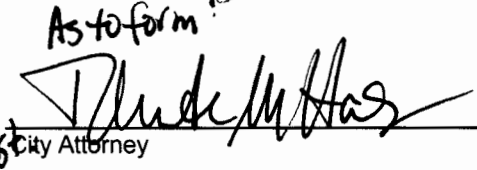
375<sup>00</sup>

CITY SIGNATURES:

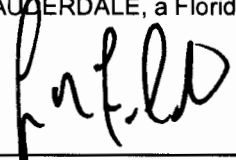
 2/12/15  
Senior Project Manager Date:

 2/13/15  
Hardeep Anand, P.E., Date:  
Director of Public Works

 2/17/15  
Kirk W. Buffington, C.P.M. Date:  
Director of Finance

As to form:  
 2.19.15  
City Attorney Date:

CITY OF FORT LAUDERDALE, a Florida municipality:

By:  2/23/15  
LEE R. FELDMAN, City Manager Date:

**PROFESSIONAL SERVICE INDUSTRIES, INC.**

**RESOLUTION**

Pursuant to the authority given to Mark Weiland, Secretary, by Professional Service Industries, Inc. (the "Corporation") Board Resolution dated November 29, 2011, the following resolution was passed at a formal meeting in Oakbrook Terrace, Illinois on the below date:

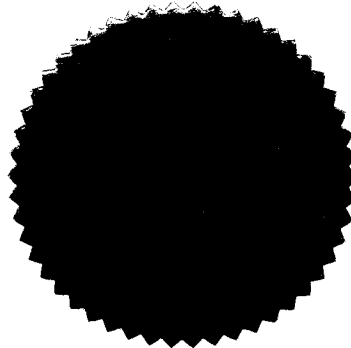
**BE IT RESOLVED** Chris Andreoni, Branch Manager of the Corporation, in the normal course of his duties and responsibilities as assigned by the Corporation, is empowered to execute in the name of and on behalf of the Corporation contracts (including any related documentation or certifications included in the contract documents) for professional services with City of Fort Lauderdale, known as the "Organization"

**BE IT FURTHER RESOLVED**, that the foregoing authority shall be and continue in full force and effect until revoked or modified by written notice. Said Organization is hereby authorized and directed to at all times rely upon the last notice received by it or any resolution as to the foregoing authority when such notice bears this Corporation's Seal and is signed by one purporting to be its Secretary.

**AND BE IT FURTHER RESOLVED**, that the Secretary of the Corporation is authorized to certify under the Corporate Seal of the Corporation, and said Organization is hereby authorized to rely upon such certification of the Secretary of the Corporation until it is formally advised of any changes therein by a subsequent certificate and under the Corporate Seal.

**IN WITNESS WHEREOF**, I have affixed my name as Secretary, and have caused the Corporate Seal of Professional Service Industries, Inc., to be hereto affixed, this 30th day of December, 2014

  
\_\_\_\_\_  
Mark Weiland  
Secretary



*PSI-14-649*



**Engineering • Consulting • Testing**

**Professional Service Industries, Inc.**

www.psiusa.com

FORT LAUDERDALE CS DEPT  
 FORT LAUDERDALE, FL 33309  
 (954) 267-0965

Federal ID 37-0962090

ATTN: Mr. Mario Carrasquel  
 CITY OF FORT LAUDERDALE  
 100 NORTH ANDREWS AVENUE  
 4TH FLOOR - ENGINEERING  
 FORT LAUDERDALE FL 33301  
 USA

CITY OF FORT LAUDERDALE  
 100 NORTH ANDREWS AVENUE  
 4TH FLOOR - ENGINEERING  
 FORT LAUDERDALE FL 33301

Customer #	Purchase Order	PSI Project Number	Date	Invoice #	Page
1101205	12010	0225621	08/31/14	00314099	0001

Project: ANNUAL BRIDGE REPAIRS - PROJECT #12010

Date	Work Order Nbr	Description	Quantity	Unit Cost	Amount
08/25/14	0225621-2	CON, COMPST-4X8" CYL (EA) 1 SET OF 4 CONCRETE CYLINDERS	4.00	15.00	60.00
08/25/14	0225621-2	CON, SLUMP TEST (EA)	1.00	10.00	10.00
08/26/14	0225621-3	SAMPLE PICKUP (TRIP)	1.00	45.00	45.00
08/22/14	0225621-1	ADMIN/CLERICAL (HR) - AUGUST ADMIN TIME	0.50	45.00	22.50
08/22/14	0225621-1	ENGINEER, PROF/REG (HR) - AUGUST ENGINEER TIME	0.50	100.00	50.00

Invoice Total:	\$187.50
Balance Due:	\$187.50

TERMS: NET 30 DAYS. A SERVICE CHARGE OF 1.5% PER MONTH, WHICH IS AN ANNUAL PERCENTAGE RATE OF 18% WILL BE ADDED TO ALL PAST DUE ACCOUNTS.

To assure proper credit to your account, please return with your check made payable to PSI.

Please mail remittance to:

Customer #	Invoice #	Project Number	Amount Enclosed
1101205	00314099	0225621	

Professional Service Industries, Inc.  
 7192 Solutions Center  
 Chicago, IL 60677-7001



**Professional Service Industries, Inc.**  
www.psiusa.com

FORT LAUDERDALE CS DEPT  
FORT LAUDERDALE, FL 33309  
(954) 267-0965

Federal ID 37-0962090

ATTN: Mr. Mario Carrasquel  
CITY OF FORT LAUDERDALE  
100 NORTH ANDREWS AVENUE  
4TH FLOOR - ENGINEERING  
FORT LAUDERDALE FL 33301  
USA

CITY OF FORT LAUDERDALE  
100 NORTH ANDREWS AVENUE  
4TH FLOOR - ENGINEERING  
FORT LAUDERDALE FL 33301

Customer #	Purchase Order	PSI Project Number	Date	Invoice #	Page
1101205	12010	0225621	10/31/14	00328205	0001

Project: ANNUAL BRIDGE REPAIRS - PROJECT #12010

Date	Work Order Nbr	Description	Quantity	Unit Cost	Amount
		Services for October 2014			
10/06/14	0225621-5	CON, SLUMP TEST (EA)	✓ 1.00	Mc. 10.00	10.00
10/06/14	0225621-5	CON, COMPST-4X8" CYL (EA) 1 SET OF 4 CONCRETE CYLINDERS	✓ 4.00	Mc. 15.00	60.00
10/07/14	0225621-6	SAMPLE PICKUP (TRIP)	✓ 1.00	Mc. 45.00	45.00
10/31/14	0225621-1	ADMIN/CLERICAL (HR)	0.50	45.00	22.50
10/31/14	0225621-1	ENGINEER, PROF/REG (HR)	0.50	100.00	50.00
Invoice Total:					\$187.50
Balance Due:					\$187.50

**TERMS: NET 30 DAYS. A SERVICE CHARGE OF 1.5% PER MONTH, WHICH IS AN ANNUAL PERCENTAGE RATE OF 18% WILL BE ADDED TO ALL PAST DUE ACCOUNTS.**

To assure proper credit to your account, please return with your check made payable to PSI.

Please mail remittance to:

Customer #	Invoice #	Project Number	Amount Enclosed
1101205	00328205	0225621	

**Professional Service Industries, Inc.**  
7192 Solutions Center  
Chicago, IL 60677-7001



Professional Service Industries, Inc.  
 6500 N.W. 12th Avenue, Suite 116  
 Fort Lauderdale, FL 33309  
 Eng Certificate Of Authorization 3684  
 Phone: (954) 267-0965  
 Fax: (954) 267-0944

# Concrete Test Report

Report No: CON:0225621-2-C1

Issue No: 2

Client: CITY OF FORT LAUDERDALE  
 100 NORTH ANDREWS AVENUE,  
 4TH FLOOR - ENGINEERING  
 FORT LAUDERDALE, FL 33301

CC: MARIO CARRASQUEL

These test results apply only to the specific locations and materials noted and may not represent any other locations or elevations. This report may not be reproduced, except in full, without written permission by Professional Service Industries, Inc. If a non-compliance appears on this report, to the extent that the reported non-compliance impacts the project, the resolution is outside the PSI scope of engagement.

Project: ANNUAL BRIDGE REPAIRS  
 FORT LAUDERDALE, FL

Approved Signatory: Will Cornelius (P.E. #67538)  
 Date of Issue: 9/22/2014

## Mix Data

Supplier CEMEX  
 Plant CEMEX  
 Mix Identification 06-1016-01 3400  
 Specified Design Strength (psi) 3400 at age 28 days

## Details of Sample

Date Sampled 8/25/2014 Date Received 8/26/2014  
 General Location Curbs and gutters, project # 12010.  
 Sample Location Southeast & Northwest of the curbs & gutters.  
 Curing Method One day Field/Laboratory Cure  
 Field Sample ID 2-C1 Field Cure Temp (°F) High  
 Low  
 Contractor  
 Truck No. 2626 Ticket No. 33317270  
 Sampled By Jean Martin  
 Submitted By  
 Weather  
 Est. Wind (mph) Yd<sup>3</sup> Placed 9.0  
 Est. Rh (%)

	Measured	Specified
Slump (in) ASTM C 143	2.00	
Slump w/ plasticizer (in)	N/A	
Air Temp (°F)	84	
Concrete Temp (°F) ASTM C 1064	92	
Air Content (%) ASTM C 231		
Unit Weight (pcf) ASTM C 138		
Volume of Density Measure (ft <sup>3</sup> )		
Batch Size (yd <sup>3</sup> )	9	
Water Added (gal)	Before	
	After	
Time Batched	09:15	
Time Sampled	10:16	
Time Placed	10:40	
Time In Truck (mins)	85	

## Compressive Strength of Concrete Cylinders

ASTM C 39

Specimen ID	Date Tested	Age (Days)	Dimensions (in) Diameter Height	Area (in <sup>2</sup> )	Type of Cap	Ultimate Load (lbf)	Fracture Type/Remark	Compressive Strength (psi)	Required Strength (psi)
0225621-2-C11	09/01/14	7	3.99 8.00	12.50	U	60400	3	4830	
0225621-2-C12	09/22/14	28	4.00 8.00	12.57	U	70020	3	5570	3400
0225621-2-C13	09/22/14	28	3.99 8.00	12.50	U	72860	5	5830	3400
0225621-2-C14		Hold			U				3400

Average 28 Day Compressive Strength (psi) 5700

## Notes

1. Sampling to ASTM C 172
2. Specimen(s) Prepared to ASTM C 31
3. Capping B=Bonded ASTM C 817, U=Unbonded ASTM C 1231, C = Combined

## Remarks

Fracture Type: 3 = C39: Vert cracking/no cones; C1314: Cone & Split, 5 = C39: Side fracture-opposite ends; C1314: Semi-Conical Break



Professional Service Industries, Inc.  
 6500 N.W. 12th Avenue, Suite 116  
 Fort Lauderdale, FL 33309  
 Eng Certificate Of Authorization 3684  
 Phone: (954) 267-0965  
 Fax: (954) 267-0944

# Concrete Test Report

Report No: CON:0225621-5-C1

Issue No: 3

Client: CITY OF FORT LAUDERDALE  
 100 NORTH ANDREWS AVENUE,  
 4TH FLOOR - ENGINEERING  
 FORT LAUDERDALE, FL 33301

CC: MARIO CARRASQUEL

Project: ANNUAL BRIDGE REPAIRS  
 FORT LAUDERDALE, FL

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Approved Signatory: Christopher Andreoni (Staff Engineer)  
 Date of Issue: 11/3/2014

## Mix Data

Supplier: CEMEX  
 Plant: CEMEX  
 Mix Identification: 06-0631  
 Specified Design Strength (psi): 5500 at age 28 days

## Details of Sample

Date Sampled	10/6/2014	Date Received		Measured	Specified
General Location	Concrete Panels, Project #12010		Slump (in) ASTM C 143	6.50	
Sample Location	East & West Concrete Panels of the Bridge		Slump w/ plasticizer (in)	N/A	
Curing Method			Air Temp (°F)	75	
Field Sample ID	5-C1	Field Cure Temp (°F) High	Concrete Temp (°F) ASTM C 1064	81	
		Low	Air Content (%) ASTM C 231	2.6	
Contractor			Unit Weight (pcf) ASTM C 138		
Truck No.	438	Ticket No.	33384023	Volume of Density Measure (ft³)	
Sampled By	Jean Martin			Batch Size (yd³)	5
Submitted By				Water Added (gal) Before	
Weather	Cloudy			After	
Est. Wind (mph)		Yd³ Placed	5.0	Time Batched	11:58
Est. Rh (%)				Time Sampled	12:33
				Time Placed	13:05
				Time In Truck (mins)	67

## Compressive Strength of Concrete Cylinders

ASTM C 39

Specimen ID	Date Tested	Age (Days)	Dimensions (in) Diameter	Height	Area (in²)	Type of Cap	Ultimate Load (lbf)	Fracture Type/Remark	Compressive Strength (psi)	Required Strength (psi)
0225621-5-C111	10/13/14	7	4.02	8.00	12.69	U	61330	5	4830	
0225621-5-C112	11/03/14	28	4.02	8.00	12.69	U	81230	5	6400	5500
0225621-5-C113	11/03/14	28	4.01	8.00	12.63	U	79140	2	6270	5500
0225621-5-C114		Hold				U				5500

Average 28 Day Compressive Strength (psi) 6340

## Notes

1. Sampling to ASTM C 172
2. Specimen(s) Prepared to ASTM C 31
3. Capping B=Bonded ASTM C 617, U=Unbonded ASTM C 1231, C = Combined

## Remarks

Fracture Type: 2 = C39: Vert crack/ cone opposite end; C1314: Cone & Shear, 5 = C39: Side fracture-opposite ends; C1314: Semi-Conical Break