

RESOLUTION 15-26

BE IT RESOLVED that the appropriate officers of the City are authorized but not required to execute and deliver on behalf of the City that certain Task Order No. 1 to the City's Master Services Agreement with Preble-Rish, Inc., relating to General Water & Wastewater & Reclaimed Utility Engineering Services, in a total amount of Twenty Seven Thousand, Three Hundred Sixty Five Dollars (\$27,365) for professional services for updating the City's computer model of its potable water system, in substantially the form attached and presented to the Council today, draft dated November 6, 2014, with such changes, insertions or omissions as may be approved by the City Manager, whose execution of such agreement shall be conclusive evidence of such approval.

THIS RESOLUTION shall be effective immediately upon passage.

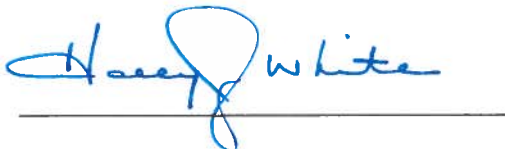
PASSED in regular session this 13 day of November, 2014.

CITY OF PANAMA CITY BEACH

By: 

Gayle F. Oberst, Mayor

ATTEST:




Holly J. White, City Clerk

Memorandum

To: Mario Gisbert

CC: Paul Casto, Holly White

From: Al Shortt 

Date: November 6, 2014

Subject: Engineering Services - Water System Hydraulic Model

Staff budgets utility funds every year to continue the City's capital program to improve the potable water system so the City will be able to improve service to current customers and accommodate future growth. Preble-Rish, Inc. was contracted to develop a computer model of the City system in 2000 to aid in long term planning and the last major update was performed in 2011. Significant growth is now starting to occur in the City's utility service area and staff desires to have the computer model updated to reflect current and proposed conditions. This will greatly improve the ability of staff to evaluate and determine the most cost effective improvement locations since the current City system is very complex with over 300 miles of water distribution pipe. The model will also be helpful for running simulations of future scenarios involving the upcoming Bay-Walton Sector Plan, allowing staff to plan the positioning of primary water transmission mains. Preble-Rish, Inc. has provided a proposal to City staff in the amount of \$27,365 to complete the modeling update effort. A copy is attached for your reference. Staff has reviewed the proposal, finds the requested fee is in line with the work effort, and recommends approval of the task and attached notice to proceed for Task Order No. 1 under the General Water & Sewer & Reclaimed Utility Master services Agreement with Preble-Rish, Inc.

ATTACHMENT A – SCOPE OF SERVICES

**CITY OF PANAMA CITY BEACH
HYDRAULIC WATER MODEL UPDATE
PREBLE-RISH, INC. PROJECT NO. 211.188**

Task Order 001-2014

This Task Order is for the purpose of Preble-Rish, Inc. (PRI) as the ENGINEER to provide professional services for updating the City's Hydraulic Water Model to existing field conditions and developing future scenarios in the model to the City of Panama City Beach (City) acting by and through its Council.

DESCRIPTION OF ENGINEER'S SERVICES

SCOPE OF SERVICES

A. Coordination

The City shall provide PRI with fire flow tests from various locations throughout the City to obtain field data to calibrate the water model. PRI will coordinate with the County to conduct some of the fire flow testing as well as large property owners such as St. Joe Company to obtain future demand scenarios.

B. Data Collection

1. Meet with City staff and collate, analyze and organize model inventory data associated with the field fire flow tests.
2. Determine the City's growth trends in order to develop future scenarios in the model.

C. Engineering and Modeling Services

1. PRI shall update the existing WaterCAD Hydraulic Model to be calibrated to fire flow field data.
2. Calibrate Historic Peak Factors and develop future scenarios
3. Evaluate Model Scenarios with updated field data.
4. Perform Fire Flow (Simulated) tests throughout the City's Distribution System.

D. Addition of Wild Heron Water Model

1. PRI will add approximately 74,040 of watermain in Wild Heron to the water model. This assumes that the City will provide PRI with the water distribution maps.
2. Add Wild Heron demand, as provided by the City.
3. Evaluate Model Scenario with updated subdivision.

E. Analysis of the West Bay Sector Plan

1. Analyze the impact of the St. Joe Company's West Bay Sector Plan on the City water system by adding one supply line following the proposed Powerline Road, connecting to SR 79 in two places and Hwy 98.
2. PRI shall coordinate with the City and St. Joe Company to obtain anticipated demands.
3. PRI will evaluate the Model Scenario's to determine the impact on the water system.

F. Update Hydraulic Water Model Report

1. Calibrate Model Scenarios
 - a. 2014 Summer Average Daily Flow (SADF)
 - b. 2014 Summer Max Day Scenario Flow (SMDF)
 - c. 2014 Summer Peak Hour Flow (SPHF)
 - d. 20 yr Future Summer Average Daily Flow (FSADF)
 - e. 20 yr Future Summer Max Day Scenario Flow (FSMDF)
 - f. 20 yr Future Summer Peak Hour Flow (FSPHF)
 - g. Update Fire Flow Pressure Results throughout Distribution System

ATTACHMENT A – SCOPE OF SERVICES

CITY OF PANAMA CITY BEACH
HYDRAULIC WATER MODEL UPDATE
PREBLE-RISH, INC. PROJECT NO. 211.188

G. Professional Services Fees

1.	Coordination and Data Collection.....	\$5,270.00
2.	Engineering and Modeling Services	\$12,135.00
3.	Update Hydraulic Water Model Report.....	\$9,960.00

Total \$27,365.00

IN WITNESS WHEREOF, the parties hereto have caused this Task Order to be executed by their undersigned officials as duly authorized.

PREBLE-RISH, INC.

CITY OF PANAMA CITY BEACH, FLORIDA

203 Aberdeen Parkway
Panama City, Florida 32405

110 South Arnold Road
Panama City Beach, Florida 32413

By: 

By: _____

Name and Title: Elizabeth Moore, P.E., Firm Partner

Name and Title: Mario Gisbert, City Manager

Witnessed: 

Witnessed: _____

Date: 11/6/14

Date: _____

EXHIBIT B
COMBINED TASK ORDER AND
NOTICE TO PROCEED

TASK ORDER NO. 1

DATE : November 6, 2014

Reference is made to that certain MASTER SERVICES AGREEMENT BETWEEN CITY OF PANAMA CITY BEACH AND PREBLE-RISH, INC. RELATING TO GENERAL WATER & WASTEWATER & RECLAIMED UTILITY ENGINEERING SERVICES dated April 8, 2014, (the Agreement), the terms, conditions and definitions of which are incorporated herein as if set forth in full. Neither party is in breach of the Agreement.

Pursuant to the Agreement, Engineer agrees to perform the specific tasks set forth upon incorporated Attachment A, Scope of Services, relating to **Hydraulic Water Model Update**.

Engineer's total compensation shall be (check one):

a stipulated sum of **\$27,365.00**; or
 a stipulated sum of _____ plus one or more specified allowances listed below which may be authorized in writing by the City Manager or his designee,
 Allowance of \$_____ for _____, and
 Allowance of \$_____ for _____; or
 a fee determined on a time-involved basis with a maximum cost of \$_____;

Work shall begin on _____, 2014, and shall be completed within 120 days. The date of completion of all work is therefore _____, 201__. Liquidated delay damages, if any, are set at the rate of \$0 per day. There are no additional rights and obligations related to this Task Order other than as specified in the Agreement.

Upon execution of this task order by both Engineer and City, Engineer is directed to proceed.

IN WITNESS WHEREOF the parties have caused these presents to be executed in their names on the date shown.

Witness:

PREBLE-RISH, INC.

By: _____ Date: _____
Its:

CITY OF PANAMA CITY BEACH, FL.

ATTEST:

By: _____ Date: _____
City Manager

City Clerk

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By: _____ Date: _____
Its:

CITY OF PANAMA CITY BEACH, FL.

ATTEST:

By: _____ Date: _____
City Manager

City Clerk

ATTACHMENT A – SCOPE OF SERVICES

CITY OF PANAMA CITY BEACH HYDRAULIC WATER MODEL UPDATE PREBLE-RISH, INC. PROJECT NO. 211.188

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CITY OF PANAMA CITY BEACH
HYDRAULIC WATER MODEL UPDATE
PREBLE-RISH, INC. PROJECT NO. 211.188

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By: 

By: _____

Name and Title: Elizabeth Moore, P.E., Firm Partner

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