

**HIGHLINE WATER DISTRICT
KING COUNTY, WASHINGTON**

RESOLUTION 18-10-17A

RESOLUTION AUTHORIZING AMENDMENT #3 TO CONTRACT #16-60-09 WITH RH2 ENGINEERING, INC. FOR ADDITIONAL DESIGN SERVICES RELATING TO PROJECT 16-2 PUMP STATION NO. 8 (CRESTVIEW)

WHEREAS, by passage of Resolution 16-3-2C, the Board of Commissioners authorized Contract #16-60-09 with RH2 Engineering, Inc. for Phase 1 - Predesign of Project 16-2 Pump Station No. 8 (Crestview); and

WHEREAS, by passage of Resolution 17-1-18B, the Board of Commissioners authorized Amendment #1 for Phase 2 - Design, Permitting Assistance and Services During Bidding; and

WHEREAS, by passage of Resolution 17-8-2C, the Board of Commissioners authorized Amendment #2 for Architectural Design for Pump Station Exterior; and

WHEREAS, the District requested RH2 Engineering, Inc. submit a Scope of Work and Fee Estimate proposal for Amendment #3 to perform a District requested design change to relocate the backup power generator from an outdoor location to inside the proposed building to improve sound requirements (Tukwila Municipal Code 8.22.110.A.7); and

WHEREAS, the final design phase requires design of Pump Station No. 6 SCADA and operational improvements; and


WHEREAS, the General Manager and District Engineer have reviewed the 10/4/18 Scope of Work and Fee Estimate, submitted by RH2 Engineering, Inc. for the additional design services and recommend approval of this resolution.

NOW, THEREFORE, BE IT RESOLVED:

1. The Board of Commissioners approves Amendment #3 to Contract 16-60-09 with RH2 Engineering, Inc., for a not-to-exceed amount of \$59,890.00 (referenced as Attachment 1 and incorporated herein).
2. The General Manager or Designee is authorized to execute Amendment #3 (referenced as Attachment-2 and incorporated herein).
3. The General Manager and/or the District's legal counsel are authorized to make minor changes to Amendment #3 if required.

ADOPTED BY THE BOARD OF COMMISSIONERS of Highline Water District, King County, Washington, at an open public meeting held on this **17th** day of **October 2018**.

BOARD OF COMMISSIONERS



Daniel Johnson, President



Kathleen Quong-Vermeire, Secretary



Todd Fultz, Commissioner



Vince Koester, Commissioner



George Landon, Commissioner

EXHIBIT A
Scope of Work
Amendment No. 3
Highline Water District
Pump Station No. 8
Additional Design Services

ATTACHMENT 1

October 2018

Background

Contract Summary to Date:

| | |
|---------------------------------|------------------|
| Original Contract: | \$74,296 |
| Amendment No. 1: | \$397,042 |
| Amendment No. 2: | \$15,000 |
| This Amendment No. 3: | \$59,890 |
| Revised Contract Amount: | \$546,228 |

RH2 Engineering, Inc., (RH2) was retained by the Highline Water District (District) to provide professional services for the design, permitting, and bidding of the Pump Station No. 8 project.

During project permitting for Pump Station No. 8, comments were received from the City of Tukwila (Tukwila) that increased the scope of work beyond the tasks anticipated at the time of the original contract authorization and amendment nos. 1 and 2. As part of the Unclassified Use Permit, Tukwila determined that the Pump Station No. 8 facility must comply with the codified sound level limits of 55 A-weighted decibels (dBA) per Tukwila Municipal Code 8.22.110.A.7 at all times, including backup power generator exercise activities. This required a design change to relocate the backup power generator from an outdoor location to inside the proposed building to meet sound requirements.

Task 4 – Pump Station No. 8 Design

Task 4 is amended to provide the following additional services rendered in association with the final design phase as follows.

- a) Design changes to the site and building architectural, structural, and mechanical designs to accommodate the relocation of the backup power generator to be inside the building to comply with Tukwila's codified sound level limits.

RH2 Deliverables:

- Revised site, architectural, structural, electrical, and mechanical design plans and details, specifications and construction cost estimate.

Task 7 – Additional Services Requested by the District

Task 7 is amended to provide the following additional services rendered in association with the final design phase as follows.

- a) Design the Pump Station No. 6 SCADA improvements including, but not limited to, electrical and controls. Coordinate with the District and Stead and Associates to provide recommendations for replacing the existing remote telemetry unit.

Assumptions:

- *It is assumed that the District will use Stead and Associates for supervisory control and data acquisition (SCADA) integration. Stead and Associates will provide a proposal to the District for integration (equipment and programming) for the proposed Pump Station No. 6 improvements. RH2 will integrate this proposal into the bidding documents listing Stead and Associates as the SCADA provider.*

RH2 Deliverables:

- Site visit to Pump Station No. 6 to review electrical and controls components.
- Pump Station No. 6 mechanical and electrical and control design plans and details.

EXHIBIT B**Highline Water District****Pump Station No. 8****Amendment No. 3: Additional Design Services****Fee Estimate**

| Description | | Total Hours | Total Labor | Total Subconsultant | Total Expense | Total Cost |
|----------------------|--|-------------|------------------|---------------------|-----------------|------------------|
| Classification | | | | | | |
| Task 4 | Pump Station No. 8 Design | 220 | \$ 38,794 | \$ 7,590 | \$ 4,584 | \$ 50,968 |
| 4.10 | Site and Utility Design | 14 | \$ 2,462 | \$ - | \$ 381 | \$ 2,843 |
| 4.12 | Structural Design | 58 | \$ 9,850 | \$ 2,300 | \$ 1,528 | \$ 13,678 |
| 4.13 | Mechanical Design | 32 | \$ 6,136 | \$ 5,290 | \$ 638 | \$ 12,064 |
| 4.14 | Electrical and Control Design | 27 | \$ 4,579 | \$ - | \$ 709 | \$ 5,288 |
| 4.15 | Emergency Generator Design | 48 | \$ 8,320 | \$ - | \$ 1,133 | \$ 9,453 |
| 4.16 | Specifications | 27 | \$ 4,875 | \$ - | \$ 126 | \$ 5,001 |
| 4.17 | Engineer's Estimate | 14 | \$ 2,572 | \$ - | \$ 69 | \$ 2,641 |
| Task 7 | Additional Services Requested by the District | 44 | \$ 7,948 | \$ - | \$ 974 | \$ 8,922 |
| 7.1 | Pump Station No. 6 SCADA Improvements | 44 | \$ 7,948 | \$ - | \$ 974 | \$ 8,922 |
| PROJECT TOTAL | | 264 | \$ 46,742 | \$ 7,590 | \$ 5,558 | \$ 59,890 |

**EXHIBIT C
RH2 ENGINEERING, INC.
2018 SCHEDULE OF RATES AND CHARGES**

| RATE LIST | RATE | UNIT |
|---------------------------|-------------|---|
| Professional I | \$144 | \$/hr |
| Professional II | \$157 | \$/hr |
| Professional III | \$170 | \$/hr |
| Professional IV | \$180 | \$/hr |
| Professional V | \$197 | \$/hr |
| Professional VI | \$209 | \$/hr |
| Professional VII | \$227 | \$/hr |
| Professional VIII | \$236 | \$/hr |
| Professional IX | \$236 | \$/hr |
| Technician I | \$104 | \$/hr |
| Technician II | \$110 | \$/hr |
| Technician III | \$136 | \$/hr |
| Technician IV | \$145 | \$/hr |
| Administrative I | \$71 | \$/hr |
| Administrative II | \$83 | \$/hr |
| Administrative III | \$99 | \$/hr |
| Administrative IV | \$117 | \$/hr |
| Administrative V | \$135 | \$/hr |
| CAD/GIS System | \$27.50 | \$/hr |
| CAD Plots - Half Size | \$2.50 | price per plot |
| CAD Plots - Full Size | \$10.00 | price per plot |
| CAD Plots - Large | \$25.00 | price per plot |
| Copies (bw) 8.5" X 11" | \$0.09 | price per copy |
| Copies (bw) 8.5" X 14" | \$0.14 | price per copy |
| Copies (bw) 11" X 17" | \$0.20 | price per copy |
| Copies (color) 8.5" X 11" | \$0.90 | price per copy |
| Copies (color) 8.5" X 14" | \$1.20 | price per copy |
| Copies (color) 11" X 17" | \$2.00 | price per copy |
| Technology Charge | 2.50% | % of Direct Labor |
| Mileage | \$0.545 | price per mile (or Current IRS Rate) |
| Subconsultants | 15% | Cost + |
| Outside Services | at cost | |

Rates listed are adjusted annually.



AMENDMENT #3

**CONSULTANT AGREEMENT FOR SERVICES
RH2 ENGINEERING, INC. – CONTRACT # 16-60-09
PROJECT 16-2 PUMP STATION NO. 8 (CRESTVIEW)**

RH2 Engineering, Inc. has requested the following additional compensation (**Exhibit(s) A and B, and C**), incorporated herein, for additional design services:

| Task | Description | Amount |
|-------------|--|----------------------|
| 4 | Pump Station No. 8 Design Changes | \$ 50,968.00 |
| 7 | Design Pump Station No. 6 SCADA and Operational Improvements | \$ 8,922.00 |
| | Contract Revision Total | \$ 59,890.00 |
| | Previous Contract Amount | \$ 486,338.00 |
| | Revised Contract Amount | \$ 546,228.00 |

RH2 Engineering, Inc. will undertake the above-referenced additional work on a time-and-expense basis. The estimated cost for these additional services is \$59,890.00. The current contract amount is \$486,338.00. The revised contract amount is \$546,228.00. The same standard general terms and conditions will apply as agreed to in Contract #16-60-09 dated 3/09/16.

Effective Date. The effective date of this Amendment shall be the date signed by an authorized representative of the District.

HIGHLINE WATER DISTRICT

RH2 ENGINEERING, INC.

By: _____
Matt Everett

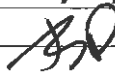
By: _____
Tony V. Pardi, PE, PMP

Title: General Manager

Title: President

Date: _____

Date: _____

Agenda Item No.: 5.1
Agenda Date: 10/17/18
Reviewed By: 

Subject: Authorize Amendment #3 – RH2 Engineering, Inc. - Contract #16-60-09
Project 16-2 Pump Station No. 8 (Crestview)

| CATEGORY | |
|-------------------------------|-------------------------------------|
| <i>Executive</i> | <input type="checkbox"/> |
| <i>Administrative</i> | <input type="checkbox"/> |
| <i>Engineering/Operations</i> | <input checked="" type="checkbox"/> |

| FINANCIAL | | | | | | |
|--------------------------|-----|-------------------------------------|------------------|--------------------------|--------------------|--------------------------|
| <i>Expenditures?</i> | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> | N/A | <input type="checkbox"/> |
| <i>Budgeted?</i> | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> | N/A | <input type="checkbox"/> |
| <i>Estimated Amount:</i> | | \$ | <u>59,890.00</u> | | Excludes sales tax | |

ATTACHMENTS:

1. Resolution 18-10-17A w/Attachment 1: Scope of Work and Fee Estimate Exhibit(s) A, B and C
2. Attachment 2: Amendment #3

COMMENTS:

At the request of the District, RH2 Engineering, Inc., submitted a proposal for a design change to relocate the backup power generator from an outdoor location to inside the proposed building to improve sound requirements (Tukwila Municipal Code 8.22.110.A.7) and design of Pump Station No. 6 SCADA and operational improvements.

The General Manager and District Engineer have reviewed the 10/4/18 Scope of Work and Fee Estimate and recommend approval of this resolution.