Legislation Details (With Text)

File #:	AM No. 20-015		
Type:	Consent Item	**Status:**	Passed
File created:	1/21/2020	**In control:**	City Council
On agenda:	2/4/2020	**Final action:**	2/4/2020
Title:	Approval of a Consultant Agreement with BHC Consultants for the Pressure Reducing Valve (PRV) Replacement Phase 2 Project, in the Amount of $662,000, and Authorize Staff to Negotiate and Acquire Property Rights as Needed		
Sponsors:			
Indexes:			
Code sections:			
Attachments:	1. Agenda Memo No. 20-015, 2. Attachment A: Location Map, 3. Attachment B: Example PRV Installation, 4. Attachment C: Consultant Agreement		

Date	Ver.	Action By	Action	Result
2/4/2020	1	City Council	approved	

MEMO TO: Members of the City Council

FROM: Mayor Angela Birney

SUBJECT:

Approval of a Consultant Agreement with BHC Consultants for the Pressure Reducing Valve (PRV) Replacement Phase 2 Project, in the Amount of $662,000, and Authorize Staff to Negotiate and Acquire Property Rights as Needed

I. RECOMMENDED ACTION

Approve Consultant Agreement with BHC Consultants for the Pressure Reducing Valve (PRV) Replacement Phase 2 project in the amount of $662,000. Authorize staff to negotiate and acquire property rights as needed for the project.

II. DEPARTMENT CONTACTS

Dave Juarez, Public Works Director	425-556-2733
Steve Hitch, EUSD Engineering Supervisor	425-556-2891
Jeff Thompson, EUSD Senior Engineer	425-556-2884
Rob Crittenden, Construction Project Manager	425-556-2838

III. DESCRIPTION/BACKGROUND

Project Purpose
This project will abandon and replace nine (9) Pressure Reducing Valve Stations throughout Redmond. The majority of these should be replaced in the same location, but a few will need to be relocated due to difficulties of construction or maintenance access. The construction will provide for installation of new vaults, valves, piping and restoration of all street, sidewalk and landscape within the limits of construction.

Background
The City uses approximately 84 PRV stations to manage water pressure in the City's distribution system. Many of these PRV stations were built in the 1960's and 1970's and are in need of refurbishment. The MOC staff inspected and evaluated all of the City's PRVs and generated a list of 27 PRVs that needed to be rehabilitated or replaced. These PRVs have aged and degraded to a point that they no longer meet the City's standard due to pipe corrosion, age, type of materials used, and environmental conditions. Corrosion is the main cause of degradation, but other issues include vault drainage and safe access. Ten (10) of the 27 valves were replaced under Phase 1. An additional nine (9) will be replaced with Phase 2. Attachment 1 shows the location of these 9 PRVs. Attachment 2 shows an example of an existing PRV installation.

Consultant Selection Process

A Request for Qualifications (RFQ) was issued in November 2019 for a consultant to develop preliminary and final designs, prepare permitting documents, provide support to staff in the acquisition of utility easements, prepare plans, specifications and cost estimate for bid advertisement, and provide construction support for the project. Two firms responded to the RFQ - BHC Consultants and RH2 Engineering. After a review of proposals by staff from construction, utility engineering and utility operations, BHC was chosen for the project. The scope and fee for the Consultant was negotiated in December and January. Attachment 3 shows the resulting Consultant Agreement with BHC.

IV. PREVIOUS DISCUSSIONS HELD

COUNCIL ACTIONS/COMMUNICATION

Date (MM/DD/YYYY)	Action / Committee Presentation
01/21/2020	Planning and Public Works Committee of the Whole
Today	Approve Consultant Agreement

V. IMPACT

A. Service/Delivery:

This project will abandon and replace nine (9) PRVs. The planned tasks and schedule for this project are as follows:

Task	Schedule
Preliminary Design and Permitting	February 2020-September 2020
Property Rights Acquisition	September 2020-January 2022
Final Design and Award	January 2022-May 2022

Construction and Acceptance	June 2022 - April 2023

B. Fiscal Note:

Estimated costs for this project are shown below:

Current Project Budget:

Water Utility CIP	$7,148,000

Estimated Project Costs

Design and Permitting	$733,000
Easements and other property rights	$695,000
Final Design	$890,000
Construction	$4,830,000
Total	$7,148,000

VI. ALTERNATIVES TO STAFF RECOMMENDATION

The City Council could choose not to approve this Consultant Agreement at this time and direct staff to continue to negotiate the scope of work and the fee estimate with the Consultant. This would delay the start of the project.

VII. TIME CONSTRAINTS

This project is scheduled to begin construction in the summer of 2022 due to the long lead time needed to acquire utility easements from private property owners on several of the project sites. The project may be able to begin earlier if the acquisition process goes more quickly than expected.

VIII. LIST OF ATTACHMENTS

Attachment 1: PRV map

Attachment 2: Example PRV installation

Attachment 3: Draft Consultant Agreement with BHC Consultants