



# City of Broken Arrow

## Legislation Details (With Text)

|                      |   |                      |                                  |
|----------------------|---|----------------------|----------------------------------|
| <b>File #:</b>       | 18-1055   | <b>Name:</b>         |                                  |
| <b>Type:</b>         | Consent Item  | <b>Status:</b>       | Passed                           |
| <b>File created:</b> | 8/28/2018   | <b>In control:</b>   | Broken Arrow Municipal Authority |
| <b>On agenda:</b>    | 9/4/2018  | <b>Final action:</b> | 9/4/2018                         |
| <b>Title:</b>        | Approval of and authorization to execute Amendment No. 1 to the Professional Consultant Agreement with HDR Engineering, Inc. for assistance during construction for the Verdigris River Water Treatment Plant Pretreatment Basin Expansion (Project No. 175436) |                      |                                  |

**Sponsors:**

**Indexes:**

**Code sections:**

**Attachments:** 1. Amendment No. 1 to HDR Agreement

| Date     | Ver. | Action By                        | Action   | Result |
|----------|------|----------------------------------|----------|--------|
| 9/4/2018 | 1    | Broken Arrow Municipal Authority | approved | Pass   |

### Broken Arrow Municipal Authority

**Meeting of: 09-04-2018**

**Title:**

Approval of and authorization to execute Amendment No. 1 to the Professional Consultant Agreement with HDR Engineering, Inc. for assistance during construction for the Verdigris River Water Treatment Plant Pretreatment Basin Expansion (Project No. 175436)

**Background:**

HDR Engineering, Inc. (HDR) was retained by the Broken Arrow Municipal Authority to provide design services for the Verdigris River Water Treatment Plant (VRWTP) Pretreatment Basin Expansion project. Once constructed and placed in service, this project will expand the total pretreatment basin capacity to 30 million gallons per day and allow the pretreatment trains to be operated at lower loading rates during high algae counts and particulate loading in the raw water, which will result in improved settled water quality needed for optimum membrane filtration operation.

The improvements project consists of the construction of two (2) rapid mix basins, two (2) train flocculation basins with plate settlers, a residual collection and pumping system, modifications to the chemical feed storage and pumping system, and all appurtenances. Although not required for this project, it was determined that it would be advantageous to add the replacement of two chemical storage tanks at the VRWTP into the construction of this project (the award of the construction contract is a separate agenda item).

The original design contract with HDR included some assistance during construction and project closeout services. This Amendment No. 1 will provide additional HDR assistance for the administration of the construction contract, increased HDR representation for site observation visits and at construction meetings, increased time for HDR review of Requests for Information, Field Orders, Change Orders, Work Change Directives, shop drawing submittals, on-site assistance for performance testing, and the completion of record

drawings. Also included is an update of the original VRWTP Operations and Maintenance Manual to add the new facilities that are to be constructed with this project.

**Cost:** \$117,500.00

**Funding Source:** OWRB FAP Loan and Utilities Operations Fund

**Requested By:** Alex Mills, P.E., Engineering and Construction Director

**Approved By:** Michael L. Spurgeon, City Manager

**Attachments:** Amendment No. 1 to the Professional Consultant Agreement with HDR Engineering, Inc. for assistance during construction for the Verdigris River Water Treatment Plant Pretreatment Basin Expansion (Project No. 175436)

**Recommendation:**

Approve and authorize execution of Amendment No. 1 to the Professional Consultant Agreement with HDR Engineering, Inc. for assistance during construction for the Verdigris River Water Treatment Plant Pretreatment Basin Expansion (Project No. 175436).