



## Legislation Text

File #: 1833-2018, Version: 1

**1. BACKGROUND:** This legislation authorizes the Director of Public Utilities to enter into an engineering agreement with Andover Associates for professional engineering services for the Southerly Wastewater Treatment Plant (SWWTP) Post Aeration Diffuser Replacement project, CIP 650354-100000. Andover Associates will provide Preliminary Design Services (Step 1), Detailed Design and Bidding Services (Step 2), and Services During Construction (Step 3) during this contract.

Two future renewals are anticipated. The scope of work for this project generally includes replacing the PVC pipe and post aeration diffusers. Due to age and exposure to UV, this equipment is failing and is no longer supported by the original equipment manufacturer. This project will also provide a comprehensive analysis of the post aeration system as a whole, including blowers, provide a structural analysis of the former mixing pads over the chlorination tanks, and provide an analysis and solution to issues with the effluent sample pump.

**2. PROCUREMENT:** The Division advertised for a Request for Proposals (RFP's) for the subject services on the City's Vendor Services website and in the City Bulletin in accordance with the overall provisions of Section 329 of the Columbus City Code. The Division of Sewerage and Drainage received five (5) proposals on May 11, 2018 from the following companies:

<u>Name</u>	<u>C.C. No.</u>	<u>Exp. Date</u>	<u>Vendor#</u>	<u>City/State</u>	<u>Status</u>
Andover Associated	51-0556580	07/31/20	008980	Columbus, OH	FBE
Burgess & Niple, Inc.	31-0885550	02/06/20	004425	Columbus, OH	MAJ
Hazen & Sawyer	13-2904652	03/02/20	000630	Columbus, OH	MAJ
HDR	47-0680568	08/01/18	008851	Columbus, OH	MAJ
ms Consultants	34-6546916	02/18/20	006998	Columbus, OH	MAJ

**3. PROJECT TIMELINE:** The Professional Engineering Services Agreement is anticipated to be signed at the end of September 2018 and will provide Step 1, Preliminary Design Services. Step 1 services are anticipated to end in July 2019.

**4. EMERGENCY DESIGNATION:** An emergency designation **is not** requested at this time.

**5. CONTRACT COMPLIANCE NO:** 51-0556580 | MAJ | Exp. 07/31/20 | Vendor # 008980

**6. ECONOMIC IMPACT:** The SWWTP post aeration process provides dissolved oxygen to the treated wastewater in order to meet the daily minimum dissolved oxygen requirement of 7.0 mg/L set forth in the Plant's NPDES (National Pollution Discharge Elimination System) permit. As the post aeration diffuser legs fail, it becomes more likely that the plant will have a permit violation due to the lack of oxygen delivered to the treated wastewater. This project will replace all of the post aeration diffusers and piping to ensure that the Plant's permit is not violated.

**7. FISCAL IMPACT:** This ordinance authorizes the transfer within and the expenditure of \$246,124.09 from the Sanitary Sewer General Obligation (G.O.) Bond Fund, Fund 6109, and amends the 2018 Capital Improvements Budget.

To authorize the Director of Public Utilities to enter into an engineering agreement with Andover Associates for

professional engineering services for the Southerly Wastewater Treatment Plant (SWWTP) Post Aeration Diffuser Replacement project; to authorize the transfer within and the expenditure of \$246,124.09 from the Sanitary Sewer General Obligation Bond Fund, and amend the 2018 Capital Improvements Budget. (\$246,124.09)

**WHEREAS**, this ordinance authorizes the Director of Public Utilities to enter into an engineering agreement with Andover Associates for the SWWTP Post Aeration Diffuser Replacement project, CIP 650354-100000.; and

**WHEREAS**, this project will replace the PVC pipe and post aeration diffusers and also provide a comprehensive analysis of the post aeration system as a whole; and

**WHEREAS**, the Division advertised and received five (5) proposals using the overall provisions of Chapter 329 of the Columbus City Code for the SWWTP Post Aeration Diffuser Replacement project; and

**WHEREAS**, it is necessary to authorize the transfer within and the expenditure of \$246,124.09 from the Sanitary Sewer General Obligation (G.O.) Bond Fund, Fund 6109; and

**WHEREAS**, it is necessary to authorize an amendment to the 2018 Capital Improvements Budget; and

**WHEREAS**, it has become necessary in the usual daily operation of the Division of Sewerage and Drainage, Department of Public Utilities, to authorize the Director to enter into an engineering agreement with Andover Associates for professional engineering services for the Southerly Wastewater Treatment Plant (SWWTP) Post Aeration Diffuser Replacement project, at the earliest practical date for the preservation of the public health, peace, property, safety; **now, therefore**

**BE IT ORDAINED BY THE COUNCIL OF THE CITY OF COLUMBUS:**

**SECTION 1.** That the Director of Public Utilities is authorized to enter into an engineering agreement with Andover Associates, 1335 Dublin Rd, Suite 223A, Columbus, Ohio 43215, for the Southerly Wastewater Treatment Plant (SWWTP) Post Aeration Diffuser Replacement project, CIP 650354-100000 in accordance with the terms and conditions as shown in the contract on file in the office of the Division of Sewerage and Drainage.

**SECTION 2.** That the City Auditor is hereby authorized to transfer \$246,124.09 within the Sanitary Sewer General Obligation Bond Fund 6109 per the account codes in the attachment to this ordinance.

**SECTION 3.** That the 2018 Capital Improvements Budget is hereby amended as follows:

**Fund No. | Project No. | Project Name | Current | Revised | (Change)**

6109 | 650800-100000 | General CA/CI | \$2,908,170 | \$2,662,046 | (-\$246,125)

6109 | 650354-100000 | SWWTP Post Aeration Diffuser Replacement | \$0 | \$246,125 | \$246,125

**SECTION 4.** That the Director of Public Utilities be and hereby is authorized to expend up to \$246,124.09 or as much thereof as may be needed from the Sanitary Sewer General Obligation Bond Fund 6109 per the account codes in the attachment to this ordinance.

**SECTION 5.** That the said firm, Andover Associates, shall perform the work to the satisfaction of the Director of Public Utilities and the Administrator of the Division of Sewerage and Drainage.

**SECTION 6.** That the City Auditor is hereby authorized to transfer any unencumbered balance in the project account to the unallocated balance within the same fund upon receipt of certification by the Director of the Department administering said project that the project has been completed and the monies are no longer required for said project; except that no transfer shall be made from a project by monies from more than one source.

**SECTION 7.** That the City Auditor is authorized to establish proper project accounting numbers as appropriate.

**SECTION 8.** That the City Auditor is authorized to make any accounting changes to revise the funding source for all contracts or contract modifications associated with this ordinance.

**SECTION 9.** That the funds necessary to carry out the purpose of this Ordinance are hereby deemed appropriated, and the City Auditor shall establish such accounting codes as necessary.

**SECTION 10.** That this ordinance shall take effect and be in force from and after the earliest period allowed by law.