



Legislation Text

File #: 0956-2016, Version: 1

The Director of Public Utilities entered into a yearly agreement with the National Center for Water Quality Research (NCWQR) at Heidelberg University to provide funding for the continued operation of the Tributary Loading Station on the Scioto River at Chillicothe in 2014 and to calculate the separate contributions of point-source and nonpoint-source loads of phosphorus in the Scioto watershed upstream of Chillicothe. This work is to be done in phases with the first phase covering the calendar years of 2014 through 2016.

The NCWQR, founded in 1969 by Dr. David B. Baker, is a research organization within the science division of Heidelberg University in Tiffin, Ohio. The Heidelberg Tributary Loading Program (HTLP) began in 1975, and the Scioto River at Chillicothe has been included in the HTLP since 1996. Presently there are 16 stations in the HTLP in Ohio and Michigan and in both the Ohio River and Lake Erie basins. The HTLP is funded by a combination of state and federal agencies, foundations and industries, and all of the resulting data, including those for the Scioto, are publicly available at the tributary download website.

Measurement of pollutant export from watershed are used to compare the amounts of pollutants derived from diffuse nonpoint sources, such as agricultural and urban storm runoff, with contributions from point sources, such as sewage treatment plants. Detailed knowledge of concentrations and loads of nutrients and sediments exported through these river systems has added greatly to the understanding of the impacts of rural, largely agricultural land management practices on stream water quality and ultimately the quality of both the Ohio River and Lake Erie.

At the request of the Division of Sewerage and Drainage, the NCWQR will, in addition to their usual data analysis, obtain the best available data on point source loads to the Scioto River upstream of the monitoring station at Chillicothe and will compute the proportional contributions of point-source and non-point source loads of total phosphorous and other nutrients of interest to the Division. The information will then be included in the interpretive summary. In addition, the NCWQR will analyze a subset of samples collected at the Chillicothe station during both base flow and storm runoff events, as coordinated with Division of Sewerage and Drainage personnel, for total dissolved solids, alkalinity and hardness.

The work for the first phase covers a three year period during calendar years 2014 through 2016. For each year of this first phase, funds for the services shall be reviewed and expenditures shall be approved by ordinance of City Council, and the appropriation and certification of funds by the City Auditor. The current year's agreement is for the period of January 1, 2016 through and including December 31, 2016. It is anticipated the project will continue to a second phase beginning in 2017; new legislation will be provided at that time. The cost estimate of the contract is \$46,050.00 for calendar year 2016. Funding requests for any future years will be based upon budgeted funds and approval by City Council.

SUPPLIER: Heidelberg University (34-4428219), Expires June 12, 2016.
Heidelberg University is a Publicly Held company and does not hold MBE/FBE status.

The company is not debarred according to the Excluded Party Listing System of the Federal Government or prohibited from being awarded a contract according to the Auditor of State Unresolved Findings for Recovery Certified Search.

1. Amount of additional funds: Total amount of additional funds needed for this contract modification No. 2 is ADD \$46,100.00. Total contract amount including this modification to \$124,250.00.

2. Reason additional funds were not foreseen: This is a planned modification. The original contract allowed for extensions in the years 2015 and 2016. This modification is to provide the funding necessary for the payment of services to be provided through December 31, 2016.
3. Reason other procurement processes not used: Work under this modification is a continuation of services included in the scope of the original contract.
4. How was cost determined: The cost, terms and conditions are in accordance with the work to be completed for 2016 as listed in the Service Proposal Quote dated November 6, 2015 as attached.

FISCAL IMPACT: \$46,100.00 is budgeted and needed for this purchase. The funds will be paid on a 50/50 split with the Division of Sewerage and Drainage and the Division of Water each paying \$23,050.00 of the total costs for the fiscal year 2016.

\$23,000.00 was spent in 2015

\$17,000.00 was spent in 2014

To authorize the Director of Public Utilities to modify and extend an agreement with Heidelberg University for the purpose of providing funding and continued support to the National Center for Water Quality Research, for the continued operation of the Tributary Loading Station on the Scioto River and Computation of Point-Source and Nonpoint-Source Loads for 2016, to authorize the expenditures of \$23,050.00 from the Sewer System Operating Fund, and \$23,050.00 from the Water Operating Fund. (\$46,100.00)

WHEREAS, the Department of Public Utilities has a need to modify and extend a support agreement with Heidelberg University for the purpose of providing funding and continued support to the National Center for Water Quality Research (NCWQR), for the continued operation of the Tributary Loading Station on the Scioto River at Chillicothe in 2016 and to calculate the separate contributions of point-source and nonpoint-source loads of phosphorus in the Scioto watershed upstream of Chillicothe, and

WHEREAS, the NCWQR, is a research organization within the science division of Heidelberg University in Tiffin, Ohio, and

WHEREAS, the Heidelberg Tributary Loading Program (HTLP) began in 1975, and the Scioto River at Chillicothe has been included in the HTLP since 1996. Presently there are 16 stations in the HTLP in Ohio and Michigan and in both the Ohio River and Lake Erie basins. The HTLP is funded by a combination of state and federal agencies, foundations and industries, and all of the resulting data, including those for the Scioto, are publicly available at the tributary download website, and

WHEREAS, measurement of pollutant export from watershed are used to compare the amounts of pollutants derived from diffuse nonpoint sources, such as agricultural and urban storm runoff, with contributions from point sources, such as sewage treatment plants. Detailed knowledge of concentrations and loads of nutrients and sediments exported through these river systems has added greatly to the understanding of the impacts of rural, largely agricultural land management practices on stream water quality and ultimately the quality of both the Ohio River and Lake Erie, and

WHEREAS, at the request of the Division of Sewerage and Drainage, the NCWQR will, in addition to their usual data analysis, obtain the best available data on point source loads to the Scioto River upstream of the monitoring station at Chillicothe and will compute the proportional contributions of point-source and non-point source loads of total phosphorous and other nutrients of interest to the Division. The information will then be included in the interpretive

summary. In addition, the NCWQR will analyze a subset of samples collected at the Chillicothe station during both base flow and storm runoff events, as coordinated with Division of Sewerage and Drainage personnel, for total dissolved solids, alkalinity and hardness, and

WHEREAS, the work for the years 2014 through 2016 is considered as the first phase, and

WHEREAS, the NCWQR at Heidelberg University has requested the renewal of funding for the year 2016, and it is in the best interest of the City to exercise this option. Funding requests for any future years will be under a new piece of legislation and based upon budgeted funds and approval by City Council, and

WHEREAS, it has become necessary in the usual daily operation of the Department of Public Utilities to authorize the Director to modify and increase the existing contract to provide the necessary funding for 2016 for the Department of Public Utilities, Division of Sewerage and; now, therefore

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

SECTION 1. That the Director of Public Utilities be and hereby is authorized to modify, increase and extend Contract No. EL016292, a support agreement with Heidelberg University, 310 East Market Street, Tiffin, Ohio 44883-2462, for the purpose of providing funding and continued support to the National Center for Water Quality Research, for the continued operation of the Tributary Loading Station on the Scioto River and Computation of Point-Source and Nonpoint-Source Loads for 2016. Total amount of modification No. 2 is ADD \$46,100.00. Total contract amount including this modification is \$124,250.00.

SECTION 2. That the expenditure of \$23,050.00 or so much thereof as may be needed, is hereby authorized in Fund 6100 Sewer System Operating Fund in object class 03 Services per the accounting codes in the attachment to this ordinance.

SECTION 3. That the expenditure of \$23,050.00 or so much thereof as may be needed, is hereby authorized in Fund 6000 Water Operating Fund in object class 03 Services per the accounting codes in the attachment to this ordinance.

SECTION 4. 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 5. That this Ordinance shall take effect and be in force from and after the earliest period allowed by law.