



United States Department of the Interior

U.S. GEOLOGICAL SURVEY
Ohio-Kentucky-Indiana Water Science Center

OHIO

6460 Busch Boulevard, Suite 100
Columbus, Ohio 43229-1737

KENTUCKY

9818 Bluegrass Parkway
Louisville, Kentucky 40299-1906

INDIANA

5957 Lakeside Boulevard
Indianapolis, Indiana 46278-1996

June 25, 2020

Mr. Matthew Steele
Water Supply and Treatment Coordinator
City of Columbus, OH
910 Dublin Road
Columbus, Ohio 43215

Dear Mr. Steele:

Enclosed is a signed original of our standard joint-funding agreement 21NFJFA00000201 for the investigation of water resources in the Scioto River and tributaries in the vicinity of Columbus and Pickaway County well field, as well as Hellbranch Run water discharge, suspended sediment discharge, and concentration of selected water quality parameters, during the period October 1, 2020 through September 30, 2021 in the amount of \$341,644 from your agency. U.S. Geological Survey contributions for this agreement are \$71,795 for a combined total of \$413,439. Please sign and return one fully-executed original to Damon Williams at the Indianapolis address above.

Federal law requires that we have a signed agreement before we start or continue work. Please return the signed agreement by **October 1, 2020**. If, for any reason, the agreement cannot be signed and returned by the date shown above, please contact Dave Straub by phone number (614) 430-7744 or email destraub@usgs.gov to make alternative arrangements.

This is a fixed cost agreement to be billed quarterly via Down Payment Request (automated Form DI-1040). Please allow 30-days from the end of the billing period for issuance of the bill. If you experience any problems with your invoice(s), please contact Damon Williams at phone number (317) 600-2774 or email at dwilliams@usgs.gov.

The results of all work performed under this agreement will be available for publication by the U.S. Geological Survey. The U.S. Geological Survey appreciates the opportunity to work with the City of Columbus and looks forward to continuing the relationship in future fiscal years.

Sincerely,

Michael Griffin
Director

Enclosure
21NFJFA00000201 (1)



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USGS Partner and Cooperator

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As a valued partner/cooperator, we want to proudly display your logo, however, we require written permission from your organization allowing the USGS to use your logo.

I would encourage you to send us an approved logo along with this written/signed permission.

The electronic version of the logo or an internet link can be emailed to mgriffin@usgs.gov

By signing this permission slip below, I am granting the USGS usage of the organizational logo on USGS sites and products.

I, _____ of the _____ give the USGS
permission to use our logo as outlined above.

Thank you for your continued support and we look forward to continuing our partnership into the future.

Sincerely,

Michael Griffin
Director

Fixed Cost Agreement YES[X] NO[]

THIS AGREEMENT is entered into as of the October 1, 2020, by the U.S. GEOLOGICAL SURVEY, OKI Water Science Center, UNITED STATES DEPARTMENT OF THE INTERIOR, party of the first part, and the City of Columbus, OH party of the second part.

1. The parties hereto agree that subject to the availability of appropriations and in accordance with their respective authorities there shall be maintained in cooperation the investigation of water resources in the Scioto River and tributaries in the vicinity of Columbus and Pickaway County well field, as well as Hellbranch Run water discharge, suspended sediment discharge, and concentration of selected water quality parameters (per attachment), herein called the program. The USGS legal authority is 43 USC 36C; 43 USC 50, and 43 USC 50b.

2. The following amounts shall be contributed to cover all of the cost of the necessary field and analytical work directly related to this program. 2(b) include In-Kind-Services in the amount of \$0.00

- (a) \$71,795 by the party of the first part during the period October 1, 2020 to September 30, 2021
- (b) \$341,644 by the party of the second part during the period October 1, 2020 to September 30, 2021
- (c) Contributions are provided by the party of the first part through other USGS regional or national programs, in the amount of: \$0
Description of the USGS regional/national program: N/A
- (d) Additional or reduced amounts by each party during the above period or succeeding periods as may be determined by mutual agreement and set forth in an exchange of letters between the parties.
- (e) The performance period may be changed by mutual agreement and set forth in an exchange of letters between the parties.

3. The costs of this program may be paid by either party in conformity with the laws and regulations respectively governing each party.

4. The field and analytical work pertaining to this program shall be under the direction of or subject to periodic review by an authorized representative of the party of the first part.

5. The areas to be included in the program shall be determined by mutual agreement between the parties hereto or their authorized representatives. The methods employed in the field and office shall be those adopted by the party of the first part to insure the required standards of accuracy subject to modification by mutual agreement.

6. During the course of this program, all field and analytical work of either party pertaining to this program shall be open to the inspection of the other party, and if the work is not being carried on in a mutually satisfactory manner, either party may terminate this agreement upon 60 days written notice to the other party.

7. The original records resulting from this program will be deposited in the office of origin of those records. Upon request, copies of the original records will be provided to the office of the other party.

8. The maps, records or reports resulting from this program shall be made available to the public as promptly as possible. The maps, records or reports normally will be published by the party of the first part. However, the party of the second part reserves the right to publish the results of this program, and if already published by the party of the first part shall, upon request, be furnished by the party of the first part, at cost, impressions suitable for purposes of reproduction similar to that for which the original copy was prepared. The maps, records or reports published by either party shall contain a statement of the cooperative relations between the parties. The Parties acknowledge that scientific information and data developed as a result of the Scope of Work (SOW) are subject to applicable USGS review, approval, and release requirements, which are available on the USGS Fundamental Science Practices website (<https://www.usgs.gov/about/organization/science-support/science-quality-and-integrity/fundamental-science-practices>).

Form 9-1366
(May 2018)

U.S. Department of the Interior
U.S. Geological Survey
Joint Funding Agreement
FOR
Water Resource Investigations

Customer #: 600000249
Agreement #: 21NFJFA00000201
Project #: NF00GWR
TIN #: 31-6400223

9. Billing for this agreement will be rendered quarterly. Invoices not paid within 60 days from the billing date will bear Interest, Penalties, and Administrative cost at the annual rate pursuant the Debt Collection Act of 1982, (codified at 31 U.S.C. § 3717) established by the U.S. Treasury.

USGS Technical Point of Contact

Name: Dave Straub
Supervisory Hydrologist (Engineer)
Address: 6460 Busch Blvd Suite 100 Columbus
OH 43229-1753 US
Columbus, OH 43229-1753
Telephone: (614) 430-7744
Fax: (614) 430-7777
Email: destraub@usgs.gov

Customer Technical Point of Contact

Name: Matthew Steele
Water Supply and Treatment Coordinator
Address: 910 Dublin Road
Columbus, Ohio 43215
Telephone: (614) 645-7020
Fax:
Email: mksteele@columbus.gov

USGS Billing Point of Contact

Name: Damon Williams
Budget Analyst
Address: 5957 Lakeside Blvd.
Indianapolis, IN 46278
Telephone: (317) 600-2774
Fax: (317) 290-3313
Email: dwilliams@usgs.gov

Customer Billing Point of Contact

Name: Matthew Steele
Water Supply and Treatment Coordinator
Address: 910 Dublin Road
Columbus, Ohio 43215
Telephone: (614) 645-7020
Fax:
Email: mksteele@columbus.gov

U.S. Geological Survey
United States
Department of Interior

City of Columbus, OH

Signature

Signatures

By _____ Date: 06/25/2020
Name: Michael Griffin
Title: Director

By _____ Date: _____
Name:
Title:

By _____ Date: _____
Name:
Title:

By _____ Date: _____
Name:
Title:

OHIO WATER SCIENCE CENTER
 PROPOSED COOPERATIVE PROGRAM
 CITY OF COLUMBUS
 FEDERAL FISCAL YEAR 2021

6/4/2020

			Repay	Direct	Unmatched	Cooperator Total	Federal Matching	Total Funds
Division of Water								
10/01/2020 - 09/30/2021	GC21NF00001OH00	Stream Gaging (8) & Precip (1)	\$30,420	\$0	\$46,130	\$76,550	\$30,420	\$106,970
	GC21NF00001OH00	Reservoir Stage (3)	\$7,040	\$0	\$4,960	\$12,000	\$7,040	\$19,040
	GC21NF00003OH00	QW Monitors (3)	\$0	\$0	\$63,000	\$63,000	\$0	\$63,000
	GC21NF00GWP0500	Cols Wellfield + Scioto R QW monitor	\$25,610	\$0	\$38,909	\$64,519	\$25,610	\$90,129
	GC21NF00GWP0500	Water Levels	\$0	\$0	\$10,000	\$10,000	\$0	\$10,000
Total - Divisoin of Water			\$63,070	\$0	\$162,999	\$226,069	\$63,070	\$289,139
Division of Sewers & Drains								
10/01/2020 - 09/30/2021	GC21NF00001OH00	Stream Gaging (5)	\$8,725	\$0	\$45,450	\$54,175	\$8,725	\$62,900
	GC21NF00004OH00	Hellbranch Water Quality	\$0	\$0	\$25,000	\$25,000	\$0	\$25,000
	GC21NF00004OH00	Hellbranch Susp Sediment	\$0	\$0	\$36,400	\$36,400	\$0	\$36,400
Total - Divison of Sewers & Drains			\$8,725	\$0	\$106,850	\$115,575	\$8,725	\$124,300
Total Program			\$71,795	\$0	\$269,849	\$341,644	\$71,795	\$413,439
Total for City of Columbus			\$71,795	\$0	\$269,849	\$341,644		

Division of Water	Gages		Columbus		USGS		Corps Hunt	Total
			Water	S&D	CWP	NSIP		
1	03219500	Scioto River near Prospect OH	\$ 6,940		\$ 3,820	\$ 2,000	\$ 1,740	\$ 14,500
2	03220000	Mill Creek near Bellepoint OH	\$ 6,710		\$ 3,490	\$ 1,700	\$ 2,600	\$ 14,500
3	03221000	Scioto River below O'Shaughnessy Dam nr Dublin OH	\$ 8,940		\$ 3,820	\$ -	\$ 1,740	\$ 14,500
4	03228300	Big Walnut Creek at Sunbury OH	\$ 10,480		\$ 4,020		\$ -	\$ 14,500
4.5	401410082510500	Rain gage at Sunbury OH	\$ 750		\$ -			\$ 750
5	03228500	Big Walnut Creek at Central College OH	\$ 10,480		\$ 4,020		\$ -	\$ 14,500
6	03228750	Alum Creek near Kilbourne OH	\$ 11,450		\$ 3,050		\$ -	\$ 14,500
7	03229500	Big Walnut Creek at Rees OH	\$ 10,480		\$ 4,020		\$ -	\$ 14,500
8	03229610	Scioto River near Commercial Point OH	\$ 10,320		\$ 4,180		\$ -	\$ 14,500
Subtotal			\$ 76,550	\$ -	\$ 30,420	\$ 3,700	\$ 6,080	\$ 116,750
Reservoirs								
1	03220500	O'Shaughnessy Reservoir near Dublin OH	\$ 3,500		\$ 2,180			\$ 5,680
2	03221500	Griggs Reservoir at Columbus OH	\$ 3,500		\$ 2,180			\$ 5,680
3	03228400	Hoover Reservoir at Central College OH	\$ 3,500		\$ 2,180			\$ 5,680
Subtotal			\$ 10,500	\$ -	\$ 6,540	\$ -	\$ -	\$ 17,040
QW Display								
1	03220500	O'Shaughnessy Reservoir near Dublin OH	\$ 500		\$ 167			\$ 667
2	03221500	Griggs Reservoir at Columbus OH	\$ 500		\$ 167			\$ 667
3	03228400	Hoover Reservoir at Central College OH	\$ 500		\$ 166			\$ 666
Subtotal			\$ 1,500	\$ -	\$ 500	\$ -	\$ -	\$ 2,000
Monitors								
1	03219500	Scioto River near Prospect OH	\$ 21,000					\$ 21,000
2	03220510	Scioto R. at O'Shaughnessy Dam near Dublin OH	\$ 21,000					\$ 21,000
3	03228300	Big Walnut Creek at Sunbury OH	\$ 21,000					\$ 21,000
Subtotal			\$ 63,000	\$ -	\$ -	\$ -	\$ -	\$ 63,000
Wellfield & Water levels								
SW 1	03228039	Scioto River above Shadeville OH	\$ 22,000					\$ 22,000
MISC	Studies	Miscellaneous Projects	\$ 42,519		\$ 25,610			\$ 68,129
GW 1	395008082593100	FR-126 M13	\$ 2,000					\$ 2,000
GW 2	395039082585800	FR-115 TH-67	\$ 2,000					\$ 2,000
GW 3	395055082592400	FR-271 Parsons Ave WTP Deep Well at Columbus OH	\$ 2,000					\$ 2,000
GW 4	395055082592401	FR-272 Parsons Ave WTP Shallow Well at Columbus OH	\$ 2,000					\$ 2,000
GW 5	394903083015400	FR-366	\$ 2,000					\$ 2,000
Subtotal			\$ 74,519	\$ -	\$ 25,610	\$ -	\$ -	\$ 100,129
Division of Water Total			\$ 226,069	\$ -	\$ 63,070	\$ 3,700	\$ 6,080	\$ 298,919
Division of Sewer & Drains Gages								
1	03221646	Scioto River at 5th Ave at Columbus OH		\$ 14,500	\$ -			\$ 14,500
2	03225500	Olentangy River near Delaware OH		\$ 4,780	\$ 2,720	\$ 2,000	\$ 5,000	\$ 14,500
3	03226800	Olentangy River near Worthington OH		\$ 8,410	\$ 3,490		\$ 2,600	\$ 14,500
4	03227107	Olentangy River at J H Herrick Dr at Columbus OH		\$ 14,500	\$ -			\$ 14,500
5	03230450	Hellbranch Run near Harrisburg OH		\$ 11,985	\$ 2,515			\$ 14,500
Subtotal			\$ -	\$ 54,175	\$ 8,725	\$ 2,000	\$ 7,600	\$ 72,500
QW & Sediment								
QW	03230450	Hellbranch Run near Harrisburg OH		\$ 25,000	\$ -			\$ 25,000
Sediment	03230450	Hellbranch Run near Harrisburg OH		\$ 36,400				\$ 36,400
Subtotal			\$ -	\$ 61,400	\$ -	\$ -	\$ -	\$ 61,400
Division of Sewer & Drains Total			\$ -	\$ 115,575	\$ 8,725	\$ 2,000	\$ 7,600	\$ 133,900
City of Columbus			City of Columbus		USGS			
Total			\$341,644		\$71,795			