



PUBLIC WORKS – UTILITY OPERATIONS

DATE: December 20, 2016

FROM: Michelle Klose, P.E., Director of Utility Operations *MK*

ITEM: Approval of USGS Contract for Streamflow and Water Level Monitoring

REQUEST

Approval of U.S. Geological Survey Contract for Streamflow and Water Level Monitoring.

Please place this item on the December 27, 2016 City Commission meeting.

BACKGROUND INFORMATION

For the past 14 years, the City has been working with the United States Geological Survey (USGS) to develop historic streamflow information for Hay Creek within the City of Bismarck. The USGS has provided a proposal to continue the streamflow monitoring program for an additional year. The City-funded portion of the proposal includes monitoring of Hay Creek at (at Main Avenue) plus the water level monitoring station at the South Bismarck Storm Water Channel at Wachter Avenue. The City's share of this program for the coming year is \$11,680 after the USGS cost share is applied.

RECOMMENDED CITY COMMISSION ACTION

We are requesting permission from the Board to allow the City of Bismarck to enter into a one-year contract with the USGS to continue the streamflow monitoring program detailed in the agreement at a cost of \$11,680. This project would be funded by the storm water utility fund.

STAFF CONTACT INFORMATION

Michelle Klose, P.E., Director of Utility Operations
mklose@bismarcknd.gov 701-355-1700



United States Department of the Interior
U.S. GEOLOGICAL SURVEY
Dakota Water Science Center

ND Programs Office
821 E. Interstate Avenue
Bismarck, ND 58503

SD Programs Office
1608 Mountain View Road
Rapid City, SD 57702

December 6, 2016

Ms. Michelle Klose
Director of Utility Operations
City of Bismarck
PO Box 5503
Bismarck, ND 58506-5503

Dear Ms. Klose:

The purpose of this letter is to provide you with the calendar year (CY) 2017 cooperative monitoring program. First I wanted to mention some changes that will be occurring in the internal structure of the USGS.

Starting in FY 2017, the North Dakota Water Science Center has been merged with the South Dakota Water Science Center, into a single science organization known as the Dakota Water Science Center. The purpose of this merger is to create a water science organization that will have more skills and capabilities available to meet your water science needs. This internal organizational change should be transparent to you as our cooperator. We are committed to ensuring our level of service and our data quality remains undiminished. The USGS office located in Bismarck will remain your point of contact concerning any questions you have regarding your program of work with the USGS.

I have included the Joint Funding Agreement (JFA) for the operation and maintenance of the streamflow monitoring gaging stations on Hay Creek and Wachter Avenue for CY 2017. I am adding in a 2.5% inflation increase to the two City of Bismarck gages in the USGS cooperative gaging network.

The total CY 2017 program cost for operation of the two gages on Hay Creek and Wachter Avenue will be \$16,740. The USGS will continue to use funds from the Cooperative matching Funds (CMF) to cost share with the City of Bismarck on a 58/42 cost basis for the Hay Creek at Main Avenue gage. For the operation of these two gages as in previous years, the City's contribution will be \$11,680, as shown in the table below:

<u>Station Name</u>	Bismarck	USGS	
		CWP	Total
Hay Creek at Main Ave	\$ 6,980	5,060	12,040
Drain on Wachter Ave	4,700	0	4,700
CY17 Monitoring Costs	\$ 11,680	5,060	16,740

Ms. Michelle Klose

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I have enclosed 2 signed copies of the CY 2017 JFA. Please sign the version of the program you prefer and return one copy for our files. We will bill you following completion of the work.

Work performed with funds under this agreement will be conducted on a fixed-price basis and data collected will be available for publication by the USGS. Please contact me at (701) 250-7404 if you have any questions.

Sincerely,



Steven Robinson
Acting Director

Enc.: 17EMNS0000114XG (2)

**Form 9-1366
(April 2015)**

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

**Agreement#: 17EMNS0000114XG
Customer#: 6000000114
Project #: NS00A9R
TIN #: 45-6002036
USGS DUNS #: 929836096**

Fixed Cost Agreement YES[X] NO[]

THIS AGREEMENT is entered into as of the January 1, 2017, by the U.S. GEOLOGICAL SURVEY, Dakota Water Science Center, UNITED STATES DEPARTMENT OF THE INTERIOR, party of the first part, and the City of Bismarck 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 for Water Resource Investigations for operation and maintenance of the streamflow monitoring gaging stations on Hay Creek and Wachter Avenue, 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) \$5,060 by the party of the first part during the period
January 1, 2017 to December 31, 2017
- (b) \$11,680 by the party of the second part during the period
January 1, 2017 to December 31, 2017
\$6,620
unmatched

- (c) Contributions are provided by the party of the first part through other USGS regional or national programs, in the amount of :

Description of the USGS regional/national program:

- (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.

9. USGS will issue billings utilizing Department of the Interior Bill for Collection (form DI-1040). Billing documents are to be rendered annually. Payments of bills are due within 60 days after the billing date. If not paid by the due date, interest will be charged at the current Treasury rate for each 30 day period, or portion thereof, that the payment is delayed beyond the due date. (31 USC 3717; Comptroller General File B-212222, August 23, 1983.).

Form 9-1366
(April 2015)

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

Agreement#: 17EMNS0000114XG
Customer#: 6000000114
Project #: NS00A9R
TIN #: 45-6002036
USGS DUNS #: 929836096

USGS Technical Point of Contact

Name: Steven Robinson
Acting Director
Address: 821 East Interstate Ave.
Bismarck, ND 58503
Telephone: (701) 250-7404
Fax: (701) 250-7492
Email: smrobins@usgs.gov

Customer Technical Point of Contact

Name: Michelle Klose
Director of Utility Operations
Address: PO Box 5503
Bismarck, North Dakota 58506
Telephone: (701) 355-1700
Fax:
Email: bispublicwks@bismarcknd.gov

USGS Billing Point of Contact

Name: Jennifer Bednar
Administrative Officer
Address: 1608 Mountain View Road
Rapid City, SD 57702
Telephone: [REDACTED]
Fax: (605) 355-4523
Email: jbednar@usgs.gov

Customer Billing Point of Contact

Name: Michelle Klose
Director of Utility Operations
Address: PO Box 5503
Bismarck, North Dakota 58506
Telephone: (701) 355-1700
Fax:
Email: bispublicwks@bismarcknd.gov

U.S. Geological Survey
United States
Department of Interior

City of Bismarck

Signature

By  Date: Dec 6, 2016
Name: Steven M Robinson
Title: Acting Director

Signatures

By _____ Date: _____
Name:
Title:

By _____ Date: _____
Name:
Title:

By _____ Date: _____
Name:
Title:

City of Bismarck/USGS SW Program for 2017 WY

Site ID	Station Name	Site Type	Telemetry	Field Office	SW Funding	USGS CWP	USGS NSIP	City of Bismarck	Burleigh County WRD	Remarks
06349500	Apple Creek nr Menoken, ND	C	t	Bis	17,320		11,520		5,800	
06349600	Hay Creek at Main Ave in Bismarck, ND	Cs	t	Bis	12,040	5,060		6,980		
464703100464600	Drain on Wachter Ave in Bismarck, ND	L	t	Bis	4,700			4,700		
Total funding:					34,060	5,060	11,520	11,680	5,800	

FY 2016	11,400	5,660
FY 2017	11,680	5,800
Increase	2.5	2.5