

COA Contract info:

Contract #: MA-6300-NA150000102

- Amendment No. 6 (to the 4th extension of the original agreement signed on 9/13/2019)

- Reason: Increase COA funding to \$635,604.00 (within 7% allowed for increase based on previous years authorization of \$594,804.00).

UNITED STATES DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY
AMENDMENT OF JOINT FUNDING AGREEMENT
FOR
WATER RESOURCES INVESTIGATIONS

20SJFATX014000
Customer: 6000000481
TIN: XXXXXXXXXX
Amendment No. 1

Fixed Cost Agreement

Yes ☒ No ☐

This amendment is for the agreement dated October 1, 2019

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 with the Texas Water Science Center for additional water-quality sampling

herein called the program.

2. Paragraph 2a of the agreement is hereby X increased/ decreased by \$ 58,550 to read as follows:

(a) \$ 189,900 by the party of the first part during the period October 1, 2019 to September 30, 2020.


Paragraph 2b of the agreement is hereby X increased/ decreased by \$ 59,950

(b) \$ 635,604 by the party of the second part during the period October 1, 2019 to September 30, 2020.

Billing for this agreement will be rendered quarterly. Payments of bills are due within 60 days after 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.)

UNITED STATES
DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

City of Austin

by 
(Signature)

Timothy H. Raines

(Name)

Director

(Title)

Date 1/13/20

by 
(Signature)

Ray Ireland

(Name)

Assistant City Manager

(Title)

Date 02/05/2020

Approved as to Form:

By: 

Assistant City Attorney



United States Department of the Interior

U.S. GEOLOGICAL SURVEY
Texas Water Science Center
1505 Ferguson Lane
Austin, TX 78754-4501

January 13, 2020

Mr. Abel Porras
Engineering C
City of Austin
PO BOX 1088
Austin, TX 78767

Dear Mr. Porras:

Enclosed are two signed originals of Amendment 1, to amend our joint-funding agreement for the City of Austin for the project(s) Texas Water Science Center Water Resources Investigations. This amendment increases the contributions from your agency by \$59,950 and the U.S. Geological Survey contributions increase by \$58,550. The revised agreement total is \$825,504. The purpose of this amendment is to increase funds for additional water-quality sampling, being conducted during the period October 1, 2019 to September 30, 2020. All other terms and conditions remain unchanged. Please return one signed original to my attention, no later than **January 31, 2020**.

This is a fixed cost agreement to be billed **quarterly** via Form DI-1040. The results of all work performed under this agreement will be available for publication by the U.S. Geological Survey. The USGS looks forward to continuing this and future cooperative efforts in these mutually beneficial water resources investigations.

The project point of contact is Greg Stanton. He may be reached at (512) 927-3558. Our administrative point of contact for this action is Kandis Becher. If you have any questions, please call her at (682) 316-5051 or email at kkbecher@usgs.gov.

Sincerely,

Timothy H. Raines
Director

Enclosure
Amendment 1 - 20CMTX014000000 (2)



United States Department of the Interior

U.S. GEOLOGICAL SURVEY
Texas Water Science Center
1505 Ferguson Lane
Austin, TX 78754

August 26, 2019

Mr. Abel Porras
Engineering C
City of Austin
PO BOX 1088
Austin, TX 78767

Dear Mr. Porras:

Enclosed are two signed originals of our standard joint-funding agreement for the project(s) Texas Water Science Center Water Resources Investigations, during the period October 1, 2019 through September 30, 2020 in the amount of \$575,654 from your agency. U.S. Geological Survey contributions for this agreement are \$131,350 for a combined total of \$707,004. Please sign and return one fully-executed original to Beau Griffin at the address above.

Federal law requires that we have a signed agreement before we start or continue work. Please return the signed agreement by **September 15, 2019**. If, for any reason, the agreement cannot be signed and returned by the date shown above, please contact Gregory Stanton by phone number (512) 927-3558 or email gstanton@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 Kandis Becher at phone number (682) 316-5051 or email at kkbecher@usgs.gov.

The results of all work performed under this agreement will be available for publication by the U.S. Geological Survey. We look forward to continuing this and future cooperative efforts in these mutually beneficial water resources studies.

Sincerely,

Timothy H. Raines
Director

Enclosure
20SJFATX014000 (2)

COA contract info:

Contract #: MA-6300-NA150000102

- Amendment 5 (4th extension option)

- Adding \$575,654 to the MA authority

Form 9-1366

(May 2018)

U.S. Department of the Interior

U.S. Geological Survey

Joint Funding Agreement

FOR

Water Resource Investigations

Customer #: 6000000481

Agreement #: 20SJFATX014000

Project #: SJ009ME

TIN #: [REDACTED]

Fixed Cost Agreement YES[X] NO[]

THIS AGREEMENT is entered into as of the October 1, 2019, by the U.S. GEOLOGICAL SURVEY, Texas Water Science Center, UNITED STATES DEPARTMENT OF THE INTERIOR, party of the first part, and the City of Austin 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 Water Resource Investigations (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) \$131,350 by the party of the first part during the period
October 1, 2019 to September 30, 2020
- (b) \$575,654 by the party of the second part during the period
October 1, 2019 to September 30, 2020
- (c) Contributions are provided by the party of the first part through other USGS regional or national programs,
in the amount of: (\$1)

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. 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 #: 6000000481
Agreement #: 20SJFATX014000
Project #: SJ009ME
TIN #: [REDACTED]

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 to 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: Gregory Stanton
Branch Chief - Central Texas
Address: 1505 Ferguson Lane
Austin, TX 78754
Telephone: (512) 927-3558
Fax: (512) 927-3590
Email: gstanton@usgs.gov

Customer Technical Point of Contact

Name: Abel Porras
Engineering C
Address: PO BOX 1088
Austin, TX 78767
Telephone: (512) 974-2811
Fax: (512) 974-2846
Email: abel.porras@austintexas.gov

USGS Billing Point of Contact

Name: Kandis Becher
Budget Analyst
Address: 501 W. Felix Street Bldg 24
Fort Worth, TX 76115
Telephone: (882) 318-5051
Fax: (882) 318-5022
Email: kkbecher@usgs.gov


Customer Billing Point of Contact

Name: Josie Archer
Watershed Protection Purchasing
Address: PO Box 1088
Austin, TX 78767
Telephone: (512) 974-9735
Fax: (512) 974-7294
Email: Josephine.archer@austintexas.gov

U.S. Geological Survey
United States
Department of Interior

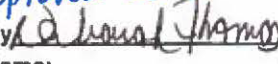
City of Austin

Signature

By:  Date: 08/28/2019
Name: Timothy H. Raines
Title: Director

Signatures

By:  Date: 09/19/2019
Name: REY ARELLANO
Title: ASSISTANT CITY MANAGER

By: _____ Date: _____
Name: _____
Title: _____
Approved as to Form:
By:  Date: 9/13/2019
Name: _____
Title: _____

City of Austin
20SJFATX014000

Description	Code	Units	Diff. Factor	USGS Funds	Customer Funds	Total
Task: 1 - Surface Water Data Collection						
Site: 08105886 Lake Ck at Lake Ck Pkwy nr Austin, TX						
Full Range Streamflow Station	QCONT	1.00	1.00	\$0	\$15,900	\$15,900
		Site Totals:		\$0	\$15,900	\$15,900
Site: 08154700 Bull Ck at Loop 360 nr Austin, TX						
Full Range Streamflow Station with Iridium	QCONT	1.00	1.00	\$6,735	\$16,515	\$23,250
		Site Totals:		\$6,735	\$16,515	\$23,250
Site: 08155200 Barton Ck at SH 71 nr Oak Hill, TX						
Full Range Streamflow Station	QCONT	1.00	1.00	\$6,735	\$9,165	\$15,900
		Site Totals:		\$6,735	\$9,165	\$15,900
Site: 08155240 Barton Ck at Lost Ck Blvd nr Austin, TX						
Full Range Streamflow Station with Iridium	QCONT	1.00	1.00	\$6,735	\$16,515	\$23,250
		Site Totals:		\$6,735	\$16,515	\$23,250
Site: 08155300 Barton Ck at Loop 360, Austin, TX						
Full Range Streamflow Station-FPS	QCONT	1.00	1.00	\$0	\$0	\$0
Iridium		1.00	1.00	\$0	\$7,130	\$7,130
		Site Totals:		\$0	\$7,130	\$7,130
Site: 08155400 Barton Ck abv Barton Spgs at Austin, TX						
Full Range Streamflow Station	QCONT	1.00	1.00	\$6,735	\$9,165	\$15,900
		Site Totals:		\$6,735	\$9,165	\$15,900
Site: 08155500 Barton Spgs at Austin, TX						
Full Range Streamflow Station	QCONT	1.00	1.00	\$6,735	\$9,165	\$15,900
		Site Totals:		\$6,735	\$9,165	\$15,900
Site: 08155541 W Bouldin Ck at Oltorf Rd, Austin, TX						
Full Range Streamflow Station	QCONT	1.00	1.00	\$0	\$15,900	\$15,900
		Site Totals:		\$0	\$15,900	\$15,900
Site: 08156876 Shoal Ck at Silverway Dr, Austin, TX						
Full Range Streamflow Station with Iridium	QCONT	1.00	1.00	\$0	\$24,130	\$24,130
		Site Totals:		\$0	\$24,130	\$24,130
Site: 08156800 Shoal Ck at W 12th St, Austin, TX						
Full Range Streamflow Station with Iridium	QCONT	1.00	1.00	\$6,735	\$17,395	\$24,130
		Site Totals:		\$6,735	\$17,395	\$24,130
Site: 08156910 Waller Ck at Koenig Lane, Austin, TX						
Full Range Streamflow Station with Iridium	QCONT	1.00	1.00	\$0	\$24,130	\$24,130
		Site Totals:		\$0	\$24,130	\$24,130
Site: 08158030 Boggy Ck at Manor Rd, Austin, TX						
Full Range Streamflow Station	QCONT	1.00	1.00	\$0	\$17,000	\$17,000
		Site Totals:		\$0	\$17,000	\$17,000
Site: 08158035 Boggy Ck at Webberville Rd, Austin, TX						
Full Range Streamflow Station	QCONT	1.00	1.00	\$0	\$15,900	\$15,900
		Site Totals:		\$0	\$15,900	\$15,900

Site: 08158045 Ft Br Boggy Ck at Manor Rd, Austin, TX					
Full Range Streamflow Station	HIGH	1.00	1.00	\$0	\$11,200 \$11,200
		Site Totals:		\$0	\$11,200 \$11,200
Site: 08158200 Walnut Ck at Dessau Rd, Austin, TX					
Full Range Streamflow Station with Iridium	QCONT	1.00	1.00	\$0	\$24,130 \$24,130
		Site Totals:		\$0	\$24,130 \$24,130
Site: 08158380 Little Walnut Ck at Georgian Dr, Austin, TX					
Full Range Streamflow Station	QCONT	1.00	1.00	\$0	\$15,900 \$15,900
		Site Totals:		\$0	\$15,900 \$15,900
Site: 08158600 Walnut Ck at Webberville Rd, Austin, TX					
Full Range Streamflow Station	QCONT	1.00	1.00	\$8,270	\$7,630 \$15,900
		Site Totals:		\$8,270	\$7,630 \$15,900
Site: 08158700 Onion Ck nr Driftwood, TX					
Full Range Streamflow Station	QCONT	1.00	1.00	\$6,735	\$9,165 \$15,900
		Site Totals:		\$6,735	\$9,165 \$15,900
Site: 08158810 Bear Ck bl FM 1826 nr Driftwood, TX					
Full Range Streamflow Station	QCONT	1.00	1.00	\$6,735	\$9,165 \$15,900
		Site Totals:		\$6,735	\$9,165 \$15,900
Site: 08158827 Onion Ck at Twin Creeks Rd nr Manchaca, TX					
Full Range Streamflow Station with Iridium	QCONT	1.00	1.00	\$0	\$23,250 \$23,250
		Site Totals:		\$0	\$23,250 \$23,250
Site: 08158840 Slaughter Ck at FM 1826 nr Austin, TX					
Full Range Streamflow Station	QCONT	1.00	1.00	\$6,735	\$9,165 \$15,900
		Site Totals:		\$6,735	\$9,165 \$15,900
Site: 08158860 Slaughter Ck at FM 2304 nr Austin, TX					
Full Range Streamflow Station	QCONT	1.00	1.00	\$6,735	\$9,165 \$15,900
		Site Totals:		\$6,735	\$9,165 \$15,900
Site: 08158920 Williamson Ck at Oak Hill, TX					
Full Range Streamflow Station with Iridium	QCONT	1.00	1.00	\$6,735	\$16,515 \$23,250
		Site Totals:		\$6,735	\$16,515 \$23,250
Site: 08158927 Kincheon Br at William Cannon Blvd, Austin, TX					
Full Range Streamflow Station	QCONT	1.00	1.00	\$0	\$15,900 \$15,900
		Site Totals:		\$0	\$15,900 \$15,900
Site: 08158930 Williamson Ck at Manchaca Rd, Austin, TX					
Full Range Streamflow Station with Iridium	QCONT	1.00	1.00	\$6,735	\$17,395 \$24,130
		Site Totals:		\$6,735	\$17,395 \$24,130
Site: 08158970 Williamson Ck at Jimmy Clay Rd, Austin, TX					
Full Range Streamflow Station	QCONT	1.00	1.00	\$0	\$15,900 \$15,900
		Site Totals:		\$0	\$15,900 \$15,900
Site: 08159000 Onion Ck at US Hwy 183, Austin, TX					
Full Range Streamflow Station-FPS	QCONT	1.00	1.00	\$0	\$0 \$0
Iridium only	Iridium	1.00	1.00	\$0	\$7,130 \$7,130
		Site Totals:		\$0	\$7,130 \$7,130
Site: 08157540 Waller Creek at Red River, Austin, TX					
Full Range Streamflow Station	QCONT	1.00	1.00	\$0	\$15,900 \$15,900
		Site Totals:		\$0	\$15,900 \$15,900

Site: 08157560 Waller Creek at E 1st St, Austin, TX

Full Range Streamflow Station	QCONT	1.00	1.00	\$0	\$15,900	\$15,900
Site Totals:				\$0	\$15,900	\$15,900

Site: 08158813 Bear Creek at Spillar Ranch, Austin, TX

Full Range Streamflow Station	QCONT	1.00	1.00	\$0	\$15,900	\$15,900
Site Totals:				\$0	\$15,900	\$15,900

Site: 08159105 Dry Ck at Navarro Ck Rd nr Del Valle, TX

Full Range Streamflow Station	QCONT	1.00	1.00	\$0	\$15,900	\$15,900
Precipitation	PRECIPCONT	1.00	1.00	\$0	\$1,500	\$1,500
Site Totals:				\$0	\$17,400	\$17,400

Site: 08159110 Western Trib to Gilleland Ck nr Manor, TX

Full Range Streamflow Station	QCONT	1.00	1.00	\$0	\$15,900	\$15,900
Precipitation	PRECIPCONT	1.00	1.00	\$0	\$1,500	\$1,500
Site Totals:				\$0	\$17,400	\$17,400

Site: 08159250 Maha Ck at Von Quintus Rd nr Del Valle, TX

Full Range Streamflow	QCONT	1.00	1.00	\$0	\$15,900	\$15,900
Precipitation	PRECIPCONT	1.00	1.00	\$0	\$1,500	\$1,500
Site Totals:				\$0	\$17,400	\$17,400

33 site(s) under the Task 1 Totaling: \$89,090 \$489,520 \$578,610

33 total site(s) under the Task Total: \$89,090 \$489,520 \$578,610

Task 2: Water Quality

Site: 08155500 Barton Spgs at Austin, TX

5 Parameter Monitor	WQMONS	1.00	1.00	\$19,260	\$29,300	\$48,560
Periodic Sample Collection and Processing	WQSPER	3.00	1.00	\$0	\$7,500	\$7,500
Groundwater Standard Chemistry	S1890	3.00	1.00	\$0	\$2,670	\$2,670
(HPLC/MS SPE), Filtered	S2437	3.00	1.00	\$0	\$2,789	\$2,789
Volatile Organic Compounds	S2020	3.00	1.00	\$0	\$1,875	\$1,875
Site Totals:				\$19,260	\$44,134	\$63,394

Site: 08155500 Barton Spgs at Austin, TX

O&M NO3 (Nitrate)/f-DOM		2.00	1.00	\$23,000	\$42,000	\$65,000
Site Totals:				\$23,000	\$42,000	\$65,000

1 site under the Task 2 Totaling: \$42,260 \$86,134 \$128,394

1 total site(s) under the Task Total: \$42,260 \$86,134 \$128,394

33 total site(s) under Task 1 Totaling (00120): \$89,090 \$489,520 \$578,610

1 total site(s) under Task 2 Totaling (00220): \$42,260 \$86,134 \$128,394

\$131,350 \$575,654 \$707,004

PROJECT	FUNDS	FUNDS	TOTAL
Surface Water: 00120	\$89,090	\$489,520	\$578,610
Water Quality: 00320	\$42,260	\$86,134	\$128,394
AGREEMENT TOTAL:	<u>\$131,350</u>	<u>\$575,654</u>	<u>\$707,004</u>



United States Department of the Interior

U.S. GEOLOGICAL SURVEY
Texas Water Science Center
1505 Ferguson Lane
Austin, TX 78754

August 22, 2018

Mr. Abel Porras
Engineering C
City of Austin
505 Barton Springs Rd, 11th Floor
Austin, TX 78704

Dear Mr. Porras:

Enclosed are two signed originals of our standard joint-funding agreement for the project(s) Texas Water Science Center Water Resources Investigations, during the period October 1, 2018 through September 30, 2019 in the amount of \$594,804 from your agency. U.S. Geological Survey contributions for this agreement are \$178,410 for a combined total of \$773,214. Please sign and return one fully-executed original to Beau Griffin at the 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, 2018**. If, for any reason, the agreement cannot be signed and returned by the date shown above, please contact Meghan Roussel by phone number (512) 927-3503 or email mroussel@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 Kandis Becher at phone number (682) 316-5051 or email at kkbecher@usgs.gov.

The results of all work performed under this agreement will be available for publication by the U.S. Geological Survey. We look forward to continuing this and future cooperative efforts in these mutually beneficial water resources studies.

Sincerely,

Meghan C. Roussel
Acting Director

Enclosure
19SJFATX014000 (2)

Form 9-1366
(May 2018)

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

Customer #: 6000000481
Agreement #: 19SJFATX014000
Project #: SJ009ME
TIN #: [REDACTED]

Fixed Cost Agreement YES[X] NO[]

THIS AGREEMENT is entered into as of the October 1, 2018, by the U.S. GEOLOGICAL SURVEY, Texas Water Science Center, UNITED STATES DEPARTMENT OF THE INTERIOR, party of the first part, and the City of Austin 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 Water Resource Investigations (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) \$178,410 by the party of the first part during the period
October 1, 2018 to September 30, 2019
- (b) \$594,804 by the party of the second part during the period
October 1, 2018 to September 30, 2019
- (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:
- (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://www2.usgs.gov/fsp/>).

Form 9-1366
(May 2018)

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

Customer #: 6000000481
Agreement #: 19SJFATX014000
Project #: SJ009ME
TIN #: [REDACTED]

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: Meghan Roussel
Associate Director - Central Texas
Program
Address: 1505 Ferguson Lane
Austin, TX 78754
Telephone: (512) 927-3503
Fax: (512) 927-3590
Email: mroussel@usgs.gov

Customer Technical Point of Contact

Name: Abel Porras
Engineering C
Address: 505 Barton Springs Rd., 11th Floor
Austin, TX 78704
Telephone: (512) 974-2811
Fax: (512) 974-2846
Email: abel.porras@austintexas.gov

USGS Billing Point of Contact

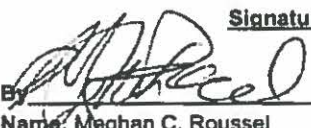
Name: Kandis Becher
Budget Analyst
Address: 501 W. Felix Street Bldg 24
Fort Worth, TX 76115
Telephone: (882) 316-5051
Fax: (882) 316-5022
Email: kkbecher@usgs.gov

Customer Billing Point of Contact

Name: Josie Archer
Watershed Protection Purchasing
Address: PO Box 1088
Austin, TX 78767
Telephone: (512) 974-9735
Fax: (512) 974-7294
Email: Josephine.archer@austintexas.gov

U.S. Geological Survey
United States
Department of Interior

City of Austin

Signature
By  Date: 08/22/2018
Name: Meghan C. Roussel
Title: Acting Director

Signatures
By  Date: 9/26/18
Name: Joe Pantelion
Title: Interim Asst. City Mgr

By _____ Date: _____

Name:

Title:

Approved as to Form:

By  Date: 09/25/18

Name: Chad Shaw

Title: Assistant City Attorney

City of Austin
19SJFATX014000

Description	Code	Units	Diff. Factor	USGS Funds	Customer Funds	Total
Task: 1 - Surface Water Data Collection						
Site: 08105886 Lake Ck at Lake Ck Pkwy nr Austin, TX						
Full Range Streamflow Station	QCONT	1.00	1.00	\$0	\$15,900	\$15,900
		Site Totals:		\$0	\$15,900	\$15,900
Site: 08154700 Bull Ck at Loop 360 nr Austin, TX						
Full Range Streamflow Station with ELOS	QCONT	1.00	1.00	\$6,735	\$16,515	\$23,250
		Site Totals:		\$6,735	\$16,515	\$23,250
Site: 08155200 Barton Ck at SH 71 nr Oak Hill, TX						
Full Range Streamflow Station	QCONT	1.00	1.00	\$6,735	\$9,165	\$15,900
		Site Totals:		\$6,735	\$9,165	\$15,900
Site: 08155240 Barton Ck at Lost Ck Blvd nr Austin, TX						
Full Range Streamflow Station with ELOS	QCONT	1.00	1.00	\$6,735	\$16,515	\$23,250
		Site Totals:		\$6,735	\$16,515	\$23,250
Site: 08155300 Barton Ck at Loop 360, Austin, TX						
Full Range Streamflow Station-FPS	QCONT	1.00	1.00	\$0	\$0	\$0
	ELOS	1.00	1.00	\$0	\$7,130	\$7,130
		Site Totals:		\$0	\$7,130	\$7,130
Site: 08155400 Barton Ck abv Barton Spgs at Austin, TX						
Full Range Streamflow Station	QCONT	1.00	1.00	\$6,735	\$9,165	\$15,900
		Site Totals:		\$6,735	\$9,165	\$15,900
Site: 08155500 Barton Spgs at Austin, TX						
Full Range Streamflow Station	QCONT	1.00	1.00	\$6,735	\$9,165	\$15,900
		Site Totals:		\$6,735	\$9,165	\$15,900
Site: 08155541 W Bouldin Ck at Oltorf Rd, Austin, TX						
Full Range Streamflow Station	QCONT	1.00	1.00	\$0	\$15,900	\$15,900
		Site Totals:		\$0	\$15,900	\$15,900
Site: 08156675 Shoal Ck at Silverway Dr, Austin, TX						
Full Range Streamflow Station with ELOS	QCONT	1.00	1.00	\$0	\$24,130	\$24,130
		Site Totals:		\$0	\$24,130	\$24,130
Site: 08156800 Shoal Ck at W 12th St, Austin, TX						
Full Range Streamflow Station with ELOS	QCONT	1.00	1.00	\$6,735	\$17,395	\$24,130
		Site Totals:		\$6,735	\$17,395	\$24,130
Site: 08156910 Waller Ck at Koenig Lane, Austin, TX						
Full Range Streamflow Station with ELOS	QCONT	1.00	1.00	\$0	\$24,130	\$24,130
		Site Totals:		\$0	\$24,130	\$24,130
Site: 08158030 Boggy Ck at Manor Rd, Austin, TX						
Full Range Streamflow Station	QCONT	1.00	1.00	\$0	\$17,000	\$17,000
		Site Totals:		\$0	\$17,000	\$17,000
Site: 08158035 Boggy Ck at Webberville Rd, Austin, TX						
Full Range Streamflow Station	QCONT	1.00	1.00	\$0	\$15,900	\$15,900
		Site Totals:		\$0	\$15,900	\$15,900
Site: 08158045 Ft Br Boggy Ck at Manor Rd, Austin, TX						
Full Range Streamflow Station	QCONT-HIGH	1.00	1.00	\$0	\$11,200	\$11,200
		Site Totals:		\$0	\$11,200	\$11,200

Site: 08158200 Walnut Ck at Dessau Rd, Austin, TX					
Full Range Streamflow Station with ELOS	QCONT	1.00	1.00	\$0	\$24,130
				\$24,130	\$24,130
Site: 08158380 Little Walnut Ck at Georgian Dr, Austin, TX					
Full Range Streamflow Station	QCONT	1.00	1.00	\$0	\$15,900
				\$15,900	\$15,900
Site: 08158600 Walnut Ck at Webberville Rd, Austin, TX					
Full Range Streamflow Station	QCONT	1.00	1.00	\$8,270	\$7,630
				\$15,900	\$15,900
Site: 08158700 Onion Ck nr Driftwood, TX					
Full Range Streamflow Station	QCONT	1.00	1.00	\$6,735	\$9,165
				\$15,900	\$15,900
Site: 08158810 Bear Ck bl FM 1826 nr Driftwood, TX					
Full Range Streamflow Station	QCONT	1.00	1.00	\$6,735	\$9,165
				\$15,900	\$15,900
Site: 08158827 Onion Ck at Twin Creeks Rd nr Manchaca, TX					
Full Range Streamflow Station with ELOS	QCONT	1.00	1.00	\$0	\$23,250
				\$23,250	\$23,250
Site: 08158840 Slaughter Ck at FM 1826 nr Austin, TX					
Full Range Streamflow Station	QCONT	1.00	1.00	\$6,735	\$9,165
				\$15,900	\$15,900
Site: 08158860 Slaughter Ck at FM 2304 nr Austin, TX					
Full Range Streamflow Station	QCONT	1.00	1.00	\$6,735	\$9,165
				\$15,900	\$15,900
Site: 08158920 Williamson Ck at Oak Hill, TX					
Full Range Streamflow Station with ELOS	QCONT	1.00	1.00	\$6,735	\$16,515
				\$23,250	\$23,250
Site: 08158927 Kincheon Br at William Cannon Blvd, Austin, TX					
Full Range Streamflow Station	QCONT	1.00	1.00	\$0	\$15,900
				\$15,900	\$15,900
Site: 08158930 Williamson Ck at Manchaca Rd, Austin, TX					
Full Range Streamflow Station with ELOS	QCONT	1.00	1.00	\$6,735	\$17,395
				\$24,130	\$24,130
Site: 08158970 Williamson Ck at Jimmy Clay Rd, Austin, TX					
Full Range Streamflow Station	QCONT	1.00	1.00	\$0	\$15,900
				\$15,900	\$15,900
Site: 08159000 Onion Ck at US Hwy 183, Austin, TX					
Full Range Streamflow Station-FPS	QCONT	1.00	1.00	\$0	\$0
ELOS only	ELOS	1.00	1.00	\$0	\$7,130
				\$7,130	\$7,130
Site: 08157540 Wailer Creek at Red River, Austin, TX					
Full Range Streamflow Station	QCONT	1.00	1.00	\$0	\$15,900
				\$15,900	\$15,900
Site: 08157580 Wailer Creek at E 1st St, Austin, TX					
Full Range Streamflow Station	QCONT	1.00	1.00	\$0	\$15,900
				\$15,900	\$15,900
Site: 08158813 Bear Creek at Spillar Ranch, Austin, TX					
Full Range Streamflow Station	QCONT	1.00	1.00	\$0	\$15,900
				\$15,900	\$15,900
31 total site(s) under the Task 1 Totalling:				\$89,090	\$437,320
				\$526,410	

Task 2: Groundwater Data Collection

Site: 300453097503301 LR-58-58-403 (City of Buda 1)

Groundwater Standard Chemistry	S1890	1.00	1.00	\$1,145	\$1,395	\$2,540
Periodic Sample Collection and Processing	WQSPER	1.00	1.00	\$285	\$605	\$890
Site Totals:				\$1,430	\$2,000	\$3,430

Site: 300710097485801 YD-58-58-209 Aqua Texas

Groundwater Standard Chemistry	S1890	1.00	1.00	\$1,145	\$1,395	\$2,540
Periodic Sample Collection and Processing	WQSPER	1.00	1.00	\$285	\$605	\$890
Site Totals:				\$1,430	\$2,000	\$3,430

Site: 300723097522001 LR-58-58-111 City of Hayes

Groundwater Standard Chemistry	S1890	1.00	1.00	\$1,145	\$1,395	\$2,540
Periodic Sample Collection and Processing	WQSPER	1.00	1.00	\$285	\$605	\$890
Site Totals:				\$1,430	\$2,000	\$3,430

Site: 300854097503801 YD-58-50-750 Frate Barker

Groundwater Standard Chemistry	S1890	1.00	1.00	\$1,145	\$1,395	\$2,540
Periodic Sample Collection and Processing	WQSPER	1.00	1.00	\$285	\$605	\$890
Site Totals:				\$1,430	\$2,000	\$3,430

Site: 301037097521201 YD-58-50-421 J17

Groundwater Standard Chemistry	S1890	1.00	1.00	\$1,145	\$1,395	\$2,540
Periodic Sample Collection and Processing	WQSPER	1.00	1.00	\$285	\$605	\$890
Site Totals:				\$1,430	\$2,000	\$3,430

Site: 301142097504701 YD-58-50-417 Blowing Sink

Groundwater Standard Chemistry	S1890	1.00	1.00	\$1,145	\$1,395	\$2,540
Periodic Sample Collection and Processing	WQSPER	1.00	1.00	\$285	\$605	\$890
Site Totals:				\$1,430	\$2,000	\$3,430

Site: 302146097445101 YD-58-43-103 Spicewood Springs

Groundwater Standard Chemistry	S1890	1.00	1.00	\$1,145	\$1,395	\$2,540
Periodic Sample Collection and Processing	WQSPER	1.00	1.00	\$285	\$605	\$890
Site Totals:				\$1,430	\$2,000	\$3,430

Site: 300835097513401 YD-58-50-748 Lancaster Tract

Groundwater Standard Chemistry	S1890	1.00	1.00	\$1,145	\$1,395	\$2,540
Periodic Sample Collection and Processing	WQSPER	1.00	1.00	\$285	\$605	\$890
Site Totals:				\$1,430	\$2,000	\$3,430

Site: 301336097483301 YD-58-50-230 Pillows Road

Groundwater Standard Chemistry	S1890	1.00	1.00	\$1,145	\$1,395	\$2,540
Periodic Sample Collection and Processing	WQSPER	1.00	1.00	\$285	\$605	\$890
Site Totals:				\$1,430	\$2,000	\$3,430

Site: 301423097495901 YD-58-50-211 Travis County

Groundwater Standard Chemistry	S1890	1.00	1.00	\$1,145	\$1,395	\$2,540
Periodic Sample Collection and Processing	WQSPER	1.00	1.00	\$285	\$605	\$890
Site Totals:				\$1,430	\$2,000	\$3,430

Site: 302551097465501 YD-58-34-617 Tanglewood Springs

Groundwater Standard Chemistry	S1890	1.00	1.00	\$1,145	\$1,395	\$2,540
Periodic Sample Collection and Processing	WQSPER	1.00	1.00	\$285	\$605	\$890
Site Totals:				\$1,430	\$2,000	\$3,430

Site: 302554097494701 YD-58-34-414 Schlumberger Springs

Groundwater Standard Chemistry	S1890	1.00	1.00	\$1,145	\$1,395	\$2,540
Periodic Sample Collection and Processing	WQSPER	1.00	1.00	\$285	\$605	\$890
Site Totals:				\$1,430	\$2,000	\$3,430

Site: 30221809745901 YD-58-42-311 Stillhouse Springs

Groundwater Standard Chemistry	S1890	1.00	1.00	\$1,145	\$1,395	\$2,540
Periodic Sample Collection and Processing	WQSPER	1.00	1.00	\$285	\$605	\$890
Site Totals:				\$1,430	\$2,000	\$3,430

13 total site(s) under the Task Totalling: \$18,590 \$26,000 \$44,590

Task 3: Water Quality

Site: 08154700 Bull Ck at Loop 360 nr Austin, TX

Auto Sampler Operation and Maintenance	WQASAM	4.00	1.00	\$8,970	\$10,970	\$19,940
Storm Sample: Standard Chemistry	S1888	4.00	1.00	\$190	\$2,290	\$2,480
Site Totals:				\$9,160	\$13,260	\$22,420

Site: 08155200 Barton Ck at SH 71 nr Oak Hill, TX

Auto Sampler Operation and Maintenance	WQASAM	0.00	1.00	\$0	\$0	\$0
Storm Sample: Standard Chemistry	S1888	0.00	1.00	\$0	\$0	\$0
Site Totals:				\$0	\$0	\$0

Site: 08155240 Barton Ck at Lost Ck Blvd nr Austin, TX

Auto Sampler Operation and Maintenance	WQASAM	0.00	1.00	\$0	\$0	\$0
Storm Sample: Standard Chemistry	S1888	0.00	1.00	\$0	\$0	\$0
Site Totals:				\$0	\$0	\$0

Site: 08155400 Barton Ck abv Barton Spgs at Austin, TX

Auto Sampler Operation and Maintenance	WQASAM	0.00	1.00	\$0	\$0	\$0
Storm Sample: Standard Chemistry	S1888	0.00	1.00	\$0	\$0	\$0
Site Totals:				\$0	\$0	\$0

Site: 08155500 Barton Spgs at Austin, TX

5 Parameter Monitor	WQMON5	1.00	1.00	\$19,260	\$29,300	\$48,560
Periodic Sample Collection and Processing	WQSPER	3.00	1.00	\$0	\$7,500	\$7,500
Groundwater Standard Chemistry	S1890	3.00	1.00	\$0	\$2,670	\$2,670
Pesticides (C-18 SPE), Filtered and Pesticides (HPLC/MS SPE), Filtered	S2437	3.00	1.00	\$0	\$2,789	\$2,789
Volatile Organic Compounds	S2020	3.00	1.00	\$0	\$1,875	\$1,875
Site Totals:				\$19,260	\$44,134	\$63,394

Site: 08156800 Shoal Ck at W 12th St, Austin, TX

Auto Sampler Operation and Maintenance	WQASAM	0.00	1.00	\$0	\$0	\$0
Storm Sample: Standard Chemistry	S1888	0.00	1.00	\$0	\$0	\$0
Site Totals:				\$0	\$0	\$0

Site: 08158600 Walnut Ck at Webberville Rd, Austin, TX

Auto Sampler Operation and Maintenance	WQASAM	4.00	1.00	\$8,970	\$10,970	\$19,940
Storm Sample: Standard Chemistry	S1888	4.00	1.00	\$190	\$2,290	\$2,480
Site Totals:				\$9,160	\$13,260	\$22,420

Site: 08158700 Onion Ck nr Driftwood, TX

Auto Sampler Operation and Maintenance	WQASAM	2.00	1.00	\$4,485	\$5,485	\$9,970
Storm Sample: Standard Chemistry	S1888	2.00	1.00	\$95	\$1,145	\$1,240
Site Totals:				\$4,580	\$6,630	\$11,210

Site: 08158810 Bear Ck bl FM 1826 nr Driftwood, TX

Auto Sampler Operation and Maintenance	WQASAM	2.00	1.00	\$4,485	\$5,485	\$9,970
Storm Sample: Standard Chemistry	S1888	2.00	1.00	\$95	\$1,145	\$1,240
Site Totals:				\$4,580	\$6,630	\$11,210

Site: 08158840 Slaughter Ck at FM 1826 nr Austin, TX

Auto Sampler Operation and Maintenance	WQASAM	4.00	0.00	\$8,970	\$10,970	\$19,940
Storm Sample: Standard Chemistry	S1888	4.00	0.00	\$190	\$2,290	\$2,480
Site Totals:				\$9,160	\$13,260	\$22,420

Site: 08158920 Williamson Ck at Oak Hill, TX

Auto Sampler Operation and Maintenance	WQASAM	4.00	1.00	\$8,970	\$10,970	\$19,940
Storm Sample: Standard Chemistry	S1888	4.00	1.00	\$190	\$2,290	\$2,480
Site Totals:				\$9,160	\$13,260	\$22,420

Site: 301500097424801 Town (Lady Bird) Lk Site AC at Austin, TX

Lake Survey Sample Collection and Processing	LKSVY	1.00	1.00	\$5,250	\$4,750	\$10,000
Pheophytin A and Chlorophyll a	LC3152	2.00	1.00	\$0	\$360	\$360
Lake Austin without CHY A	S1892	2.00	1.00	\$420	\$940	\$1,360
Site Totals:				\$5,670	\$6,050	\$11,720

12 total site(s) under the Task Totalling: \$70,730 \$116,484 \$187,214

Task 4: Technical Support

Technical Services and Rating Development

	\$0	\$15,000	\$15,000
Task Total:	\$0	\$15,000	\$15,000
31 total site(s) under Task 1 Totalling (00120):	\$89,090	\$437,320	\$526,410
13 total site(s) under Task 2 Totalling (00220):	\$18,590	\$26,000	\$44,590
12 total site(s) under Task 3 Totalling (00320):	\$70,730	\$116,484	\$187,214
Soil Moisture Probe Exploration under Task 4 (00120):	\$0	\$15,000	\$15,000
	<u>\$178,410</u>	<u>\$594,804</u>	<u>\$773,214</u>

PROJECT	USGS FUNDS	CUSTOMER FUNDS	TOTAL
Surface Water: 00120	\$89,090	\$437,320	\$526,410
Ground Water: 00220	\$18,590	\$26,000	\$44,590
Water Quality: 00320	\$70,730	\$116,484	\$187,214
Technical Support: 00120	\$0	\$15,000	\$15,000
AGREEMENT TOTAL:	<u>\$178,410</u>	<u>\$594,804</u>	<u>\$773,214</u>

Form 9-1366
(April 2015)

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

Agreement#: 17CMTX014000000
Customer#: 6000000481
Project #: SJ009ME
TIN #: [REDACTED]
USGS DUNS #: [REDACTED]

Fixed Cost Agreement YES[X] NO[]

THIS AGREEMENT is entered into as of the October 1, 2016, by the U.S. GEOLOGICAL SURVEY, Texas Water Science Center, UNITED STATES DEPARTMENT OF THE INTERIOR, party of the first part, and the City of Austin 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 Water Resource Investigations (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) \$198,410 by the party of the first part during the period
October 1, 2016 to September 30, 2017
- (b) \$588,754 by the party of the second part during the period
October 1, 2016 to September 30, 2017
- (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 quarterly. 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#: 17CMTX014000000
Customer#: 6000000481
Project #: SJ009ME
TIN #: [REDACTED]
USGS DUNS #: [REDACTED]

USGS Technical Point of Contact

Name: Meghan Roussel
Supervisory Hydrologist
Address: 1505 Ferguson Lane
Austin, TX 78754
Telephone: (512) 927-3503
Fax: (512) 927-3590
Email: mroussel@usgs.gov

Customer Technical Point of Contact

Name: Roger Glick
Address: 505 Barton Springs Rd Suite 1100
Austin, TX 78704
Telephone: (512) 974-2096
Fax: (512) 974-2235
Email: roger.glick@ci.austin.tx.us

USGS Billing Point of Contact

Name: Kandis Becher
Budget Analyst
Address: 2775 Altamesa Blvd.
Fort Worth, TX 76133
Telephone: (817) 263-9545 Ext 225
Fax: (817) 361-0459
Email: kkbecher@usgs.gov

Customer Billing Point of Contact

Name: Josie Archer
Watershed Protection Purchasing
Address: PO Box 1088
Austin, TX 78767
Telephone: (512) 974-9735
Fax: (512) 974-7294
Email: Josephine.archer@austintexas.gov

U.S. Geological Survey
United States
Department of Interior

City of Austin

Signature

By [Signature] Date: Aug 29, 2016
Name: Timothy H. Raines
Title: Acting Director

Signatures

By [Signature] Date: 9/29/16
Name:
Title:

By _____ Date: _____
Name:
Title:

Approved as to Form:

By [Signature] Date: 09/29/16
Name: Chris Shaw
Title: Asst. City Atty

Form 9-1366
(Oct. 2005)

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

Agreement#: 16CMTX014000000
Customer#: 6000000481
Project #: SJ009ME
TIN #: [REDACTED]
USGS DUNS #: [REDACTED]

Fixed Cost Agreement YES[X] NO[]

THIS AGREEMENT is entered into as of the October 1, 2015, by the U.S. GEOLOGICAL SURVEY, Texas Water Science Center, UNITED STATES DEPARTMENT OF THE INTERIOR, party of the first part, and the City of Austin 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 Water Resource Investigations (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) | \$178,410 | by the party of the first part during the period
October 1, 2015 to September 30, 2016 |
| (b) | \$621,752 | by the party of the second part during the period
October 1, 2015 to September 30, 2016 |

(c) 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.

(d) 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 quarterly. 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
(Oct. 2005)

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

Agreement#: 16CMTX014000000
Customer#: 6000000481
Project #: SJ009ME
TIN #: [REDACTED]
USGS DUNS #: [REDACTED]

USGS Technical Point of Contact

Name: Meghan C Roussel
Supervisory Hydrologist
Address: 1505 Ferguson Lane
Austin, TX 78754-4501
Telephone: (512) 927-3503
Fax: (512) 927-3590
Email: mroussel@usgs.gov

Customer Technical Point of Contact

Name: Roger Glick
Address: 505 Barton Springs Rd Suite 1100
Austin, TX 78704
Telephone: (512) 974-2096
Fax: (512) 974-2235
Email: roger.glick@ci.austin.tx.us

USGS Billing Point of Contact

Name: Kandis K Becher
Budget Analyst
Address: 2775 ALTAMESA BLVD
Fort Worth, TX 76133
Telephone: (817) 263-9545 Ext 225
Fax: (817) 361-0459
Email: kkbecher@usgs.gov

Customer Billing Point of Contact

Name: Donna Lee Bliss
Senior Contract Compliance Spec.
Address: PO Box 1088
Austin, TX 78767
Telephone: (512) 974-2530
Fax: (512) 974-2279
Email: donna-lee.bliss@ci.austin.tx.us

U.S. Geological Survey
United States
Department of Interior

City of Austin

Signature

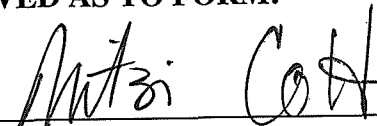
By:  Date: Mar 19, 2015
Name: Timothy H. Raines
Title: Acting Director

Signatures

CITY OF AUSTIN

By: 
Name: Sue Edwards
Title: Assistant City Manager

APPROVED AS TO FORM:

By: 
Name: Mitzi Cotton
Title: Assistant City Attorney

City of Austin
16CMTX014000000

Site Information						
Description	Code	Units	Diff. Factor	USGS CWP	Customer	Total
Task: 1 - Surface Water Data Collection						
Site: 08105886 Lake Ck at Lake Ck Pkwy nr Austin, TX						
Full Range Streamflow Station	QCONT	1.00	1.00	\$0	\$15,450	\$15,450
Site Totals:				\$0	\$15,450	\$15,450
Site: 08154700 Bull Ck at Loop 360 nr Austin, TX						
Full Range Streamflow Station with ELOS	QCONT	1.00	0.97	\$6,735	\$15,845	\$22,580
Site Totals:				\$6,735	\$15,845	\$22,580
Site: 08155200 Barton Ck at SH 71 nr Oak Hill, TX						
Full Range Streamflow Station	QCONT	1.00	0.97	\$6,735	\$8,255	\$14,990
Site Totals:				\$6,735	\$8,255	\$14,990
Site: 08155240 Barton Ck at Lost Ck Blvd nr Austin, TX						
Full Range Streamflow Station	QCONT	1.00	0.97	\$6,735	\$8,255	\$14,990
Site Totals:				\$6,735	\$8,255	\$14,990
Site: 08155300 Barton Ck at Loop 360, Austin, TX						
Full Range Streamflow Station-NSIP	QCONT	1.00	0.97	\$0	\$0	\$0
Site Totals:				\$0	\$0	\$0
Site: 08155400 Barton Ck abv Barton Spgs at Austin, TX						
Full Range Streamflow Station	QCONT	1.00	0.97	\$6,735	\$8,255	\$14,990
Site Totals:				\$6,735	\$8,255	\$14,990
Site: 08155500 Barton Spgs at Austin, TX						
Full Range Streamflow Station	QCONT	1.00	0.97	\$6,735	\$8,255	\$14,990
Site Totals:				\$6,735	\$8,255	\$14,990
Site: 08155541 W Bouldin Ck at Oltorf Rd, Austin, TX						
Full Range Streamflow Station	QCONT	1.00	1.00	\$0	\$15,450	\$15,450
Site Totals:				\$0	\$15,450	\$15,450
Site: 08156675 Shoal Ck at Silverway Dr, Austin, TX						
Full Range Streamflow Station	QCONT	1.00	1.00	\$0	\$15,450	\$15,450
Site Totals:				\$0	\$15,450	\$15,450
Site: 08156800 Shoal Ck at W 12th St, Austin, TX						
Full Range Streamflow Station with ELOS	QCONT	1.00	0.97	\$6,735	\$15,845	\$22,580
Site Totals:				\$6,735	\$15,845	\$22,580
Site: 08156910 Waller Ck at Koenig Lane, Austin, TX						
Full Range Streamflow Station	QCONT	1.00	1.00	\$0	\$15,450	\$15,450
Site Totals:				\$0	\$15,450	\$15,450
Site: 08158030 Boggy Ck at Manor Rd, Austin, TX						
Full Range Streamflow Station	QCONT	1.00	1.00	\$0	\$15,450	\$15,450
Site Totals:				\$0	\$15,450	\$15,450
Site: 08158035 Boggy Ck at Webberville Rd, Austin, TX						
Full Range Streamflow Station	QCONT	1.00	1.00	\$0	\$15,450	\$15,450
Site Totals:				\$0	\$15,450	\$15,450

Site: 08158045 Ft Br Boggy Ck at Manor Rd, Austin, TX

Full Range Streamflow Station	QCONT-HIGH	1.00	1.00	\$0	\$10,910	\$10,910
Site Totals:				\$0	\$10,910	\$10,910

Site: 08158200 Walnut Ck at Dessau Rd, Austin, TX

Full Range Streamflow Station	QCONT	1.00	1.00	\$0	\$15,450	\$15,450
Site Totals:				\$0	\$15,450	\$15,450

Site: 08158380 Little Walnut Ck at Georgian Dr, Austin, TX

Full Range Streamflow Station	QCONT	1.00	1.00	\$0	\$15,450	\$15,450
Site Totals:				\$0	\$15,450	\$15,450

Site: 08158600 Walnut Ck at Webberville Rd, Austin, TX

Full Range Streamflow Station	QCONT	1.00	1.13	\$8,270	\$9,190	\$17,460
Site Totals:				\$8,270	\$9,190	\$17,460

Site: 08158700 Onion Ck nr Driftwood, TX

Full Range Streamflow Station	QCONT	1.00	0.97	\$6,735	\$8,255	\$14,990
Site Totals:				\$6,735	\$8,255	\$14,990

Site: 08158810 Bear Ck bl FM 1826 nr Driftwood, TX

Full Range Streamflow Station	QCONT	1.00	0.97	\$6,735	\$8,255	\$14,990
Site Totals:				\$6,735	\$8,255	\$14,990

Site: 08158827 Onion Ck at Twin Creeks Rd nr Manchaca, TX

Full Range Streamflow Station with ELOS	QCONT	1.00	1.00	\$0	\$22,580	\$22,580
Site Totals:				\$0	\$22,580	\$22,580

Site: 08158840 Slaughter Ck at FM 1826 nr Austin, TX

Full Range Streamflow Station	QCONT	1.00	0.97	\$6,735	\$8,255	\$14,990
Site Totals:				\$6,735	\$8,255	\$14,990

Site: 08158860 Slaughter Ck at FM 2304 nr Austin, TX

Full Range Streamflow Station	QCONT	1.00	0.97	\$6,735	\$8,255	\$14,990
Site Totals:				\$6,735	\$8,255	\$14,990

Site: 08158920 Williamson Ck at Oak Hill, TX

Full Range Streamflow Station with ELOS	QCONT	1.00	0.97	\$6,735	\$15,845	\$22,580
Site Totals:				\$6,735	\$15,845	\$22,580

Site: 08158927 Kincheon Br at William Cannon Blvd, Austin, TX

Full Range Streamflow Station	QCONT	1.00	1.00	\$0	\$15,450	\$15,450
Site Totals:				\$0	\$15,450	\$15,450

Site: 08158930 Williamson Ck at Manchaca Rd, Austin, TX

Full Range Streamflow Station with ELOS	QCONT	1.00	0.97	\$6,735	\$15,845	\$22,580
Site Totals:				\$6,735	\$15,845	\$22,580

Site: 08158970 Williamson Ck at Jimmy Clay Rd, Austin, TX

Full Range Streamflow Station	QCONT	1.00	1.00	\$0	\$15,450	\$15,450
Site Totals:				\$0	\$15,450	\$15,450

Site: 08159000 Onion Ck at US Hwy 183, Austin, TX

Full Range Streamflow Station-NSIP	QCONT	1.00	1.00	\$0	\$0	\$0
ELOS only	ELOS	1.00	0.97	\$0	\$7,130	\$7,130
Site Totals:				\$0	\$7,130	\$7,130

Site: 08157540 Waller Creek at Red River, Austin, TX

Full Range Streamflow Station	QCONT	1.00	1.00	\$0	\$15,450	\$15,450
Site Totals:				\$0	\$15,450	\$15,450

Site: 08157560 Waller Creek at E 1st St, Austin, TX

Full Range Streamflow Station	QCONT	1.00	1.00	\$0	\$15,450	\$15,450
Site Totals:				\$0	\$15,450	\$15,450

Site: **NEW** Bear Creek at Spiller Ranch, Austin, TX

Full Range Streamflow Station	QCONT	1.00	1.00	\$0	\$15,450	\$15,450
Site Totals:				\$0	\$15,450	\$15,450

30 total site(s) under the Task Totaling:	\$89,090	\$380,080	\$469,170
--	-----------------	------------------	------------------

Task 2: Groundwater Data Collection

Site: 300453097503301 LR-58-58-403 (Ciy of Buda 1)

Groundwater Standard Chemistry	S1890	1.00	1.00	\$1,145	\$1,395	\$2,540
Periodic Sample Collection and Processing	WQSPER	1.00	1.00	\$285	\$605	\$890
Site Totals:				\$1,430	\$2,000	\$3,430

Site: 300710097485801 YD-58-58-209 Aqua Texas

Groundwater Standard Chemistry	S1890	1.00	1.00	\$1,145	\$1,395	\$2,540
Periodic Sample Collection and Processing	WQSPER	1.00	1.00	\$285	\$605	\$890
Site Totals:				\$1,430	\$2,000	\$3,430

Site: 300723097522001 LR-58-58-111 City of Hayes

Groundwater Standard Chemistry	S1890	1.00	1.00	\$1,145	\$1,395	\$2,540
Periodic Sample Collection and Processing	WQSPER	1.00	1.00	\$285	\$605	\$890
Site Totals:				\$1,430	\$2,000	\$3,430

Site: 300854097503801 YD-58-50-750 Frate Barker

Groundwater Standard Chemistry	S1890	1.00	1.00	\$1,145	\$1,395	\$2,540
Periodic Sample Collection and Processing	WQSPER	1.00	1.00	\$285	\$605	\$890
Site Totals:				\$1,430	\$2,000	\$3,430

Site: 301037097521201 YD-58-50-421 J17

Groundwater Standard Chemistry	S1890	1.00	1.00	\$1,145	\$1,395	\$2,540
Periodic Sample Collection and Processing	WQSPER	1.00	1.00	\$285	\$605	\$890
Site Totals:				\$1,430	\$2,000	\$3,430

Site: 301142097504701 YD-58-50-417 Blowing Sink

Groundwater Standard Chemistry	S1890	1.00	1.00	\$1,145	\$1,395	\$2,540
Periodic Sample Collection and Processing	WQSPER	1.00	1.00	\$285	\$605	\$890
Site Totals:				\$1,430	\$2,000	\$3,430

Site: 302146097445101 YD-58-43-103 Spicewood Springs

Groundwater Standard Chemistry	S1890	1.00	1.00	\$1,145	\$1,395	\$2,540
Periodic Sample Collection and Processing	WQSPER	1.00	1.00	\$285	\$605	\$890
Site Totals:				\$1,430	\$2,000	\$3,430

Site: 300835097513401 YD-58-50-748 Lancaster Tract

Groundwater Standard Chemistry	S1890	1.00	1.00	\$1,145	\$1,395	\$2,540
Periodic Sample Collection and Processing	WQSPER	1.00	1.00	\$285	\$605	\$890
Site Totals:				\$1,430	\$2,000	\$3,430

Site: 301336097483301 YD-58-50-230 Pillows Road

Groundwater Standard Chemistry	S1890	1.00	1.00	\$1,145	\$1,395	\$2,540
Periodic Sample Collection and Processing	WQSPER	1.00	1.00	\$285	\$605	\$890
Site Totals:				\$1,430	\$2,000	\$3,430

Site: 301423097495901 YD-58-50-211 Travis County

Groundwater Standard Chemistry	S1890	1.00	1.00	\$1,145	\$1,395	\$2,540
Periodic Sample Collection and Processing	WQSPER	1.00	1.00	\$285	\$605	\$890
Site Totals:				\$1,430	\$2,000	\$3,430

Site: 302551097465501 YD-58-34-617 Tanglewood Springs

Groundwater Standard Chemistry	S1890	1.00	1.00	\$1,145	\$1,395	\$2,540
Periodic Sample Collection and Processing	WQSPER	1.00	1.00	\$285	\$605	\$890
Site Totals:				\$1,430	\$2,000	\$3,430

Site: 302554097494701 YD-58-34-414 Schlumberger Springs

Groundwater Standard Chemistry	S1890	1.00	1.00	\$1,145	\$1,395	\$2,540
Periodic Sample Collection and Processing	WQSPER	1.00	1.00	\$285	\$605	\$890
Site Totals:				\$1,430	\$2,000	\$3,430

Site: 30221809745901 YD-58-42-311 Stillhouse Springs

Groundwater Standard Chemistry	S1890	1.00	1.00	\$1,145	\$1,395	\$2,540
Periodic Sample Collection and Processing	WQSPER	1.00	1.00	\$285	\$605	\$890
Site Totals:				\$1,430	\$2,000	\$3,430

13 total site(s) under the Task Totaling: \$18,590 \$26,000 \$44,590

Task 3: Water Quality

Site: 08154700 Bull Ck at Loop 360 nr Austin, TX

Auto Sampler Operation and Maintenance	WQASAM	0.00	1.00	\$0	\$0	\$0
Storm Sample: Standard Chemistry	S1888	0.00	1.00	\$0	\$0	\$0
Site Totals:				\$0	\$0	\$0

Site: 08155200 Barton Ck at SH 71 nr Oak Hill, TX

Auto Sampler Operation and Maintenance	WQASAM	4.00	1.00	\$8,970	\$10,970	\$19,940
Storm Sample: Standard Chemistry	S1888	4.00	1.00	\$190	\$2,290	\$2,480
Site Totals:				\$9,160	\$13,260	\$22,420

Site: 08155240 Barton Ck at Lost Ck Blvd nr Austin, TX

Auto Sampler Operation and Maintenance	WQASAM	4.00	1.00	\$8,970	\$10,970	\$19,940
Storm Sample: Standard Chemistry	S1888	4.00	1.00	\$190	\$2,290	\$2,480
Site Totals:				\$9,160	\$13,260	\$22,420

Site: 08155400 Barton Ck abv Barton Spgs at Austin, TX

Auto Sampler Operation and Maintenance	WQASAM	4.00	1.00	\$8,970	\$10,970	\$19,940
Storm Sample: Standard Chemistry	S1888	4.00	1.00	\$190	\$2,290	\$2,480
Site Totals:				\$9,160	\$13,260	\$22,420

Site: 08155500 Barton Spgs at Austin, TX

5 Parameter Monitor	WQMON5	1.00	1.00	\$19,260	\$29,300	\$48,560
Periodic Sample Collection and Processing	WQSPER	3.00	1.00	\$0	\$7,500	\$7,500

Groundwater Standard Chemistry	S1890	3.00	1.00	\$0	\$2,670	\$2,670
Pesticides (C-18 SPE), Filtered	S2001	3.00	1.00	\$0	\$1,635	\$1,635
Volatile Organic Compounds	S2020	3.00	1.00	\$0	\$1,875	\$1,875
Pesticides (HPLC/MS SPE), Filtered	S2060	3.00	1.00	\$0	\$2,610	\$2,610

Site Totals:				\$19,260	\$45,590	\$64,850
---------------------	--	--	--	-----------------	-----------------	-----------------

Site: 08156800 Shoal Ck at W 12th St, Austin, TX

Auto Sampler Operation and Maintenance	WQASAM	4.00	1.00	\$8,970	\$10,970	\$19,940
Storm Sample: Standard Chemistry	S1888	4.00	1.00	\$190	\$2,290	\$2,480

Site Totals:				\$9,160	\$13,260	\$22,420
---------------------	--	--	--	----------------	-----------------	-----------------

Site: 08158600 Walnut Ck at Webberville Rd, Austin, TX

Auto Sampler Operation and Maintenance	WQASAM	0.00	1.00	\$0	\$0	\$0
Storm Sample: Standard Chemistry	S1888	0.00	1.00	\$0	\$0	\$0

Site Totals:				\$0	\$0	\$0
---------------------	--	--	--	------------	------------	------------

Site: 08158700 Onion Ck nr Driftwood, TX

Auto Sampler Operation and Maintenance	WQASAM	2.00	1.00	\$4,485	\$5,485	\$9,970
Storm Sample: Standard Chemistry	S1888	2.00	1.00	\$95	\$1,145	\$1,240

Site Totals:				\$4,580	\$6,630	\$11,210
---------------------	--	--	--	----------------	----------------	-----------------

Site: 08158810 Bear Ck bl FM 1826 nr Driftwood, TX

Auto Sampler Operation and Maintenance	WQASAM	2.00	1.00	\$4,485	\$5,485	\$9,970
Storm Sample: Standard Chemistry	S1888	2.00	1.00	\$95	\$1,145	\$1,240

Site Totals:				\$4,580	\$6,630	\$11,210
---------------------	--	--	--	----------------	----------------	-----------------

Site: 08158840 Slaughter Ck at FM 1826 nr Austin, TX

Auto Sampler Operation and Maintenance	WQASAM	0.00	0.00	\$0	\$0	\$0
Storm Sample: Standard Chemistry	S1888	0.00	0.00	\$0	\$0	\$0

Site Totals:				\$0	\$0	\$0
---------------------	--	--	--	------------	------------	------------

Site: 08158920 Williamson Ck at Oak Hill, TX

Auto Sampler Operation and Maintenance	WQASAM	0.00	1.00	\$0	\$0	\$0
Storm Sample: Standard Chemistry	S1888	0.00	1.00	\$0	\$0	\$0

Site Totals:				\$0	\$0	\$0
---------------------	--	--	--	------------	------------	------------

Site: 301500097424801 Town (Lady Bird) Lk Site AC at Austin, TX

Lake Survey Sample Collection and Processing	LKSVY	1.00	1.00	\$5,250	\$4,750	\$10,000
Pheophytin A and Chlorophyll a	LC3152	2.00	1.00	\$0	\$360	\$360
Lake Austin without CHY A	S1892	2.00	1.00	\$420	\$940	\$1,360

Site Totals:				\$5,670	\$6,050	\$11,720
---------------------	--	--	--	----------------	----------------	-----------------

12 total site(s) under the Task Totaling:				\$70,730	\$117,940	\$188,670
--	--	--	--	-----------------	------------------	------------------

Task 4: Technical Support

Technical Services and Rating Development				\$0	\$14,000	\$14,000
Task Total:				\$0	\$14,000	\$14,000

30 total site(s) under Task 1 Totaling (00120):	\$89,090	\$380,080	\$469,170
--	-----------------	------------------	------------------

13 total site(s) under Task 2 Totaling (00220):	\$18,590	\$26,000	\$44,590
--	-----------------	-----------------	-----------------

12 total site(s) under Task 3 Totaling (00320):	\$70,730	\$117,940	\$188,670
--	-----------------	------------------	------------------

Technical Support under Task 4 Totaling (00120):	\$0	\$14,000	\$14,000
Flood Hardening/Equip Upgrades (per attachment) Totaling (00120):	\$0	\$83,732	\$83,732
	<u>\$178,410</u>	<u>\$621,752</u>	<u>\$800,162</u>