MEMORANDUM



TO:

Phillipa Guthrie

FROM:

Rick Dietz, Director, ITS

DATE:

12/20/2019

RE:

Amendment to CTC Consulting Contract

Columbia Estecommunical

Funding Source:

ITS General Fund Mgt. Fee, Consultants and Workshops

101-28-280000-53170

<u>Total Dollar Amount of Contract</u>: \$90,000, originally. \$60,262.12 remain encumbered to CTC for consulting services.

Expiration Date of Contract: Extends contract to continue until terminated by one or both of the parties pursuant to Article 12 of the original contract.

Department Head Initials of Approval: RBD

Due Date For Signature: ASAP

19-748

Record Destruction Date (Legal Dept to fill in):

TAD

PREVIOUSLY REVIEWED BY & RETURN SIGNED CONTRACT TO THIS ATTORNEY:

Barbara McKinney

ATTORNEY IS TO RETURN SIGNED CONTRACT TO THIS DEPARTMENTAL EMPLOYEE:

Rick Dietz

Summary of Contract:

On Feb 1, 2016 the City and CTC entered a contract for services in support of the City's goals to secure ubiquitous fiber-optic high-speed internet access throughout our community. This continues to be a high priority goal for the City and the need for CTC's support, expertise and services continues. The purpose of this addendum is to extend the CTC contract for consulting services to allow the City to continue working with CTC. It also updates the contract deliverables to include preparing a Digital Inclusion Strategic Plan in 2020.

CTC will provide an analysis of gaps affecting the City's low-income or otherwise disadvantaged population in use of broadband internet services. The purpose of this analysis is to help the City better understand these gaps, including those relating to broadband access, affordability, digital skills and device ownership, that may be preventing all citizens form making the most effective and meaningful use of broadband internet services. Based on the analysis, CTC will then develop an action plan of steps that can be taken by both public and private sectors to close those gaps.

Addendum

to February 1, 2016 Agreement

between the

CITY OF BLOOMINGTON

and

CTC TECHNOLOGY AND ENERGY

WHEREAS, the City of Bloomington [hereinafter City] and CTC Technology and Energy [hereinafter CTC] entered into an Agreement on February 1, 2016, [hereinafter Agreement] for CTC to provide fiber consulting services to the City; and

WHEREAS, the Agreement expires on December 31, 2019, and the parties would like to renew and continue the Agreement and expand the services required; and

WHEREAS, CTC has the expertise and staff to provide these services,

NOW, THEREFORE, the City and CTC agree to the following:

The Agreement is continued under its original terms and with the following additional terms:

The Agreement will continue until terminated by one or both of the parties pursuant to Article 12 of the Agreement.

In addition to the services provided pursuant to the Agreement, CTC agrees to assist the City to develop a Digital Equity Strategic Plan. CTC will provide an analysis of gaps affecting the City's low-income or otherwise disadvantaged population in use of broadband internet services. The purpose of this analysis is to help the City better understand these gaps, including those relating to broadband access, affordability, digital skills and device ownership, that may be preventing all citizens form making the most effective and meaningful use of broadband internet services. Based on the analysis, CTC will then develop an action plan of steps that can be taken by both public and private sectors to close those gaps.

CTC will complete its analysis by no later than June 31, 2020 and will complete its action plan by no later than December 31, 2020.

All other terms and conditions of the Agreement continue unchanged.

In witness of acceptance of	all conditions	contained in this	Addendum	and in the .	Agreement,	the
parties execute this Addend	um on	, 20)19.			

CITY OF BLOOMINGTON

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parties execute this Addendum on	, 2019.	

CITY OF BLOOMINGTON

Dr. Dhili spall Huther	12-31-	19
John Hamilton, Mayosr	DATE	

CTC TECHNOLOGY AND ENERGY

BY: Joanne S. Horis
Joanne S. Hovis, President

12/30/2019

DATE

CITY OF BLOOMINGTON Legal Department Reviewed By:

DATE: _

BY:		
John Hamilton, Mayosr	DATE	
CTC TECHNOLOGY AND ENERGY		
BY:		
Joanne S. Hovis, President	DATE	

CITY OF BLOOMINGTON Legal Department Reviewed By:

DATE: 12

CITY OF BLOOMINGTON
Controller

Reviewed by: DATE: 12

FUND, ACCT: 101- 8 - 521)

ctc technology & energy

engineering & business consulting

December 4, 2019

Mr. Rick Dietz Director, Information & Technology Services Dept. City of Bloomington, Indiana 401 N. Morton St., Suite 160 Bloomington, IN 47404

Via email: dietzr@bloomington.in.gov

Subject: Amended proposal to analyze broadband gaps affecting the City's disadvantaged population and develop a strategic plan for mitigating those gaps

Dear Rick:

CTC Technology & Energy would be pleased to support the City of Bloomington with a study and analysis of gaps affecting the City's low-income or otherwise disadvantaged population in use of the broadband internet. The proposal below incorporates refinements from the revised version we sent you in September 2018. This new version will serve as the basis for our engagement.

Our goal will be to help the City better understand the gaps-including those related to broadband access, affordability, digital skills, and device ownership—that may be preventing all citizens from making the most effective, meaningful use of broadband. Based on the research and data gathered, we will then develop an actionable plan of steps that can be taken by both public and private sectors to address those challenges.

Types of Data to Be Collected

Our methodology is designed to enable the City to understand digital challenges in Bloomington so as to develop an actionable plan to address those challenges.

Digital inclusion research is a new and emerging field, but most researchers agree that broadband use disparities tend to result from a combination of three factors: (1) lack of access to affordable broadband service; (2) lack of access to usable, broadband-enabled devices; and (3) lack of knowledge (or "literacy") of how to use the internet in ways that are meaningful or valuable to the user.

This recommended methodology is designed to enable collection of data that will illuminate to what degree these factors are present in Bloomington, how they relate to each other, and how they can be alleviated through targeted strategies designed to provide (1) service access; (2) devices; and (3) training and support.

Columbia Telecommunications Corporation

To that end, we recommend below multiple means to collect the following types of data:

- 1. Broadband service availability, pricing, and competition
- 2. Broadband adoption rates and patterns
- 3. Means by which community members access the internet (e.g., wireline and/or mobile) and the reasons for that choice or outcome
- 4. Use of broadband subsidy programs such as AT&T's Access program, Comcast's Internet Essentials, and the FCC's Lifeline program
- 5. Access to broadband-enabled devices, knowledge of how to use those devices, and challenges with use (for example, viruses, maintenance costs, etc.)
- 6. Broadband "literacy," or challenges with knowledge of how to use the internet in ways that the user finds meaningful, useful, and safe
- 7. Need for foreign language or culturally specific training to develop knowledge of how to use the internet

Summary of Methodology for Data Collection

In summary, the recommended methodology includes the following general categories of research:

- Mail-based, Scientific Survey
 - Perform a mail-based survey of a sample of the entire City population to provide a benchmark on basic questions related to internet access and usage, against which data from the relevant population will be compared.
 - We recommend a statistically valid survey that can provide a baseline for measuring changes going forward, including the impact of City efforts and interventions.
 - o The survey will be designed to gather data on barriers to accessing and using broadband, computers and other devices, and online resources. The questions will also be designed to understand what kinds of training might be helpful, and if there exist language or cultural barriers to digital learning.
 - The survey will seek to gather data on use by City residents of the AT&T Access program, Internet Essentials service from Comcast, and the FCC's Lifeline subsidy for broadband service.

- o The survey will also seek to gather data about the needs of school-age children and their families by adding or enhancing questions on a range of relevant topics. (In recent engagements, we have found that approximately one-third of respondents to residential surveys are from households with school-age children.)
- Before finalizing the survey instrument, we will iterate on drafts with the City and with our survey expert to ensure that it has the best chance of capturing useful data.

Community Meetings

- Work with the City to hold discussion groups with diverse segments of the City's population, focused on those groups the City seeks to support with this initiative.
- The purpose of these discussions will be to learn about the digital challenges faced by various demographic and income groups, and to gather anecdotal data for the study.

Our proposed methodology reflects best practices with respect to how pioneering cities have gathered data on questions of digital equity, including on how they went about seeking insights from city residents. These cities include Austin, Texas; Portland, Oregon; and Seattle, Washington.

Task 1: Conduct a Mail-Based, Scientific Survey

We will perform a mail-based survey of samples of the City population to provide a benchmark on basic questions related to internet access and usage. This statistically valid survey approach can both potentially identify problems for which targeted City interventions might be appropriate, and also provide a baseline for measuring changes going forward, including the impact of City efforts.

The mail survey will be designed to gather data on barriers to accessing and using broadband, computers and other devices, and online resources. We will include questions about whether the respondent uses a subsidized internet access service. The questions will also be designed to understand what kinds of training might be helpful, and if there exist language or cultural barriers to digital learning.

Using a mailing list we will purchase from the data provider we frequently use, InfoUSA, we will mail surveys to two sets of randomly selected residents:

- 1. A group whose income falls below an amount we collaboratively select with the City, and who are older than age 26 (to seek to exclude undergraduate and graduate students from the sample, so as to focus on non-student, low-income households)
- 2. A randomly selected second group with no income-level element in sampling.

This approach is designed to enable statistically meaningful comparison between the general population and the lower-income community.

We will mail 4,000 surveys to the first group and 2,530 to the second (estimating that the rate of return will be 10 percent for the first group and 16 percent for the second). This number of mailings would hopefully result in 400 responses from each group, to yield a 95 percent confidence level with a 5 percent confidence interval, thus enabling us to do cross-tabulations and subdivision within each group to support more granular analysis (such as, for example, to understand the relationship between adoption and family size within each group).

The survey will require an estimated 10 minutes to complete. To encourage participation, the survey will be printed as a booklet (which enhances readability) and mailed in a non-standard sized envelope (which increases the likelihood that it will be noticed and opened by the recipients). We will manage all aspects of survey distribution, return mailing, processing, and data analysis.

Survey responses will be entered into a database format and analyzed. The raw data will be reviewed and processed following our standard data-cleaning protocol. This might include coding missing responses, establishing new response categories, verifying skip logic, and other steps necessary to ensure a clean and valid dataset.

Data analysis will include, at minimum, development of frequency tables for all responses and selected cross-tabulations and/or comparisons of mean ratings by geographic area and key demographics.

We will seek to identify key target segments by examining demographic, income, and other relevant drivers.

One key goal of this effort is to determine how many low-income Bloomington residents use subsidized internet access services, how many are eligible but not using the programs, and what barriers to awareness and adoption may exist that could be addressed through targeted interventions by the City.

As part of our final project deliverable, we will prepare a written summary that describes the survey process, results, and analysis. The report will include a detailed narrative analysis, supported by extensive tables and charts that illustrate the survey findings.

Task 2: Facilitate Community Discussion Groups

Working with the City, we will facilitate up to eight 90-minute discussion groups with diverse segments of the City's population, focused on those groups the City seeks to support with this initiative. The purpose of these discussions will be to learn about the digital challenges faced by various demographic and income groups. The information collected in these community meetings will provide insights into the challenges faced by different parts of the community.

For each community meeting, we assume that the City will identify and invite participants and will be responsible for managing meeting logistics (including by providing a suitable meeting location). We recommend a mix of meeting times (e.g., morning, afternoon, early evening). We assume, for the sake of judicious use of City resources, that the meetings will be held over a period of up to three sequential weekdays.

Initial questions for these group discussion meetings may include the following, which are designed to enable an open-ended discussion that enables the facilitator to follow up participant comments:

- 1. If you and family members do not use the internet, why don't you use it?
- 2. Can you describe all the places where you and family members access the internet?
- 3. What are your and family members top reasons for using the internet?
- 4. Are you experiencing any problems with internet service?
- 5. Are you able to readily use websites for local government, banking, legal, and educational resources?
- 6. What is most important to you about using the internet?
- 7. If any assistance for using the internet were provided, what should it be?
- 8. If you are eligible, do you use a subsidized internet access service?

Following the meetings, the findings and observations should be recorded and synthesized, and areas of commonality should be summarized.

Task 3: Prepare Digital Inclusion Strategic Plan

Our final deliverable will be a digital equity analysis report that summarizes our findings and recommends strategic approaches and roadmaps of concrete actions for the City's consideration.

CTC Proposal to the City of Bloomington Page 6

The report will include all of the data analysis and insights developed in the previous tasks, as well as a series of recommendations that address the challenges and gaps that are identified as a result of the research in the earlier tasks.

The deliverable will be a substantial body of work, designed to serve as a roadmap for efforts that can be undertaken by both public and private sectors to address digital inequities. The study will also be designed to serve as a baseline for understanding the current state in Bloomington and for measuring improvements in the future.

We will provide the City with an electronic draft of our report, which will include extensive narrative supported by tables, graphics, and maps. We will also make available to the City electronic copies of the raw data so that they can be archived and utilized in the future.

Costs

CTC proposes to perform the tasks identified in the scope of work above for the not-to-exceed cost of \$60,000, inclusive of all expenses, including printing, mailing, and other expenses for the survey, and also inclusive of travel, billed at the hourly rates in our contract with Bloomington.

Rick, please do not hesitate to contact me if you would like to discuss this proposal further. We look forward to working with the City on this important project.

Best Regards,

Joanne S. Hovis | President

Janue S. Horis

MEMORANDUM

TO:

Phillipa Guthrie

FROM:

Rick Dietz, Director, ITS

DATE:

11/20/2018

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101-28-280000-53170

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Extends contract to continue until terminated by one

or both of the parties pursuant to Article 12 of the original contract.

Department Head Initials of Approval:

RBD

Due Date For Signature: ASAP

Record Destruction Date (Legal Dept to fill in):

PREVIOUSLY REVIEWED BY & RETURN SIGNED CONTRACT TO THIS ATTORNEY:

Barbara McKinney

ATTORNEY IS TO RETURN SIGNED CONTRACT TO THIS DEPARTMENTAL EMPLOYEE:

18-727

Rick Dietz

Summary of Contract:

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WHEREAS, the Agreement expired on December 31, 2016, but CTC has continued to provide fiber consulting services to the City since then; and

WHEREAS, the parties would like to renew and continue the Agreement and expand the services required; and

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All other terms and conditions of the Agreement continue unchanged.

In witness of acceptance of all conditions contained in this Addendum and in the Agreement, the parties execute this Addendum on 12/11, 2018.

CITY OF BLOOMINGTON

John Hamilton, Mayor

DATE

CTC TECHNOLOGY AND ENERGY

Joanne S. Hovis, President

DATE

CITY OF BLOOMINGTON Legal Department Reviewed By:

CITY OF BLOOMINGTON Controller Reviewed by:

FUND/ACCT:

2016 Enc

Exhibit A E-VERIFY AFFIDAVIT AFFIDAVIT

The undersigned, being duly sworn, hereby affirms and says that 1. The undersigned is the President (lob title) CTC Technology & Energy (company name) 2. The company named herein that employs the undersigned Has contracted with or is seeking to contract with the City of Bloomington to provide services; OR Is a subcontractor on a contract to provide services to the City of ii. Bloomington. 3. The undersigned hereby states that, to the best of his or her knowledge and belief, the company named herein does not knowingly employ an "unauthorized allen" as defined at 8 United States Code 13241(h)(3). 4. The undersigned hereby states that, to the best of his/her belief, the company named herein is enrolled in and participates in the E-verify program. Joanne S. Hoyis Printed name Marry (an. (1.0. STATE OF INDIANA 155:

HELEN VESKE
Notary Public Maryland
Montgomery County
My Commission Expires
January 02, 2022

My commission expires: 1/2/22

Notary Public's Signature

My commission expires: 1/2/22

Notary Public's Signature

County of Residence: Montgo Mary,

Printed name of Notary Public

Exhibit B NON-COLLUSION AFFIDAVIT AFFIDAVIT

The undersigned offeror or agent, being duly sworn on oath, says that he has not, nor has any other member, representative or agent of the firm, company, corporation or partnership represented by him, entered into any combination, collusion or agreement with any person relative to the price to be offered by any person nor to prevent any person from making an offer nor to induce anyone to retrain from making an offer and that this offer is made without reference to any other offer.

I affirm under the penalties of perjury that the foregoing facts and information

OATH AND AFFIRMATION

HELEN VESKE
Latary Public Macyland
Managomery County
Later Series
January 02, 2022

Printed name of Notary Public