

RESOLUTION 20-30

A RESOLUTION TO REVISE AN AGREEMENT WITH OHM TO AMEND THE CURRENT CONTRACT TO DEVELOP ANNUAL CONTRACT FOR INFLOW AND INFILTRATION (I&I) REPAIRS

WHEREAS, the City currently has entered a contract with OHM to assist in developing a program for I&I repairs; and

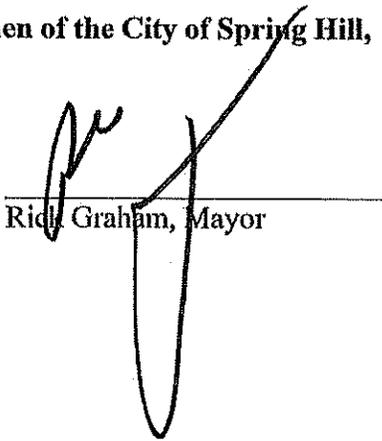
WHEREAS, the program has progressed and staff has located several manholes in need of repair; and

WHEREAS, staff has been trained to monitor and collect the data for analysis; and

WHEREAS, several months of data must be received before effective analysis can commence;

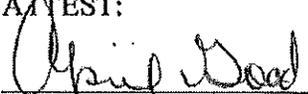
NOW, THEREFORE, BE IT RESOLVED, that the City of Spring Hill Board of Mayor and Aldermen approve a resolution to amend the contract with OHM allowing OHM to move resources from data analysis to developing specifications and bid documents for I&I repair and approve the Mayor to execute the attached agreement, with no additional funding required by the City of Spring Hill.

Passed and adopted by the Board of Mayor and Aldermen of the City of Spring Hill, Tennessee on this 16th day of March, 2020.



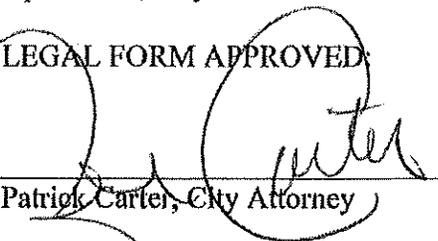
Rick Graham, Mayor

ATTEST:



April Goad, City Recorder

LEGAL FORM APPROVED:



Patrick Carter, City Attorney



REQUEST: Resolutions 20-30
SUBMITTED BY: Chip Moore, Infrastructure Director
DATE: February 25, 2020
RE: OHM Contract for Inflow and Infiltration (I&I) Program

ATTACHMENTS: Resolutions 20-30 and OHM Contract

PURPOSE:

To approve Resolution 20-30 that will amend the existing contract with OHM for I&I reduction.

BACKGROUND:

In 2019, the City entered into a contract with OHM to begin the process of developing an I&I reduction program for the sanitary sewer system. Staff and OHM have worked on this program and it has developed to a point an amendment is would be required to develop specifications and an annual contract which is part of a future phase.

The flow meters are installed and gathering data. Staff has also investigated several lines and found manholes in need of repair. In lieu of waiting for the data to collect, staff has evaluated the benefit of developing an annual contract for manhole repairs. This would provide an immediate impact for reduction. Data evaluation would occur at a later date and would require a future budget amendment or as a line item in next fiscal year's budget to analyze.

FINANCIAL IMPACT:

None. No additional monies are being requested. Data analysis is moved to a later phase.

STAFF RECOMMENDATION:

Staff recommends approval of Resolution 20-30 to amend the contract to facilitate the development of specifications and an annual contract for I&I repairs to reduce I&I into the system.

AMENDMENT 1
Dated February 18, 2020
To
TASK ORDER NO. 1
Dated June 21, 2019
To
CONTINUING SERVICES AGREEMENT
Between
Orchard, Hiltz, & McCliment, Inc.
And
CITY of SPRING HILL
Dated June 20, 2019
For
PROFESSIONAL SERVICES

CLIENT: City of SPRING HILL

PROJECT: 0004190040 – SPRING HILL INFLOW and INFILTRATION PROGRAM

The Project Supplement made as of June 21, 2019 between Orchard, Hiltz & McCliment, Inc. (CONSULTANT) and City of Spring Hill (CLIENT) is hereby amended as set forth below.

ATTACHMENT A - SCOPE OF SERVICES

At the request of the Client, the scope of services is requested to be expanded to support the advancement of the Sewer System I&I Program. However, until funds from the new fiscal budget are available starting July 1, 2020, no new engineering funds are anticipated. This amendment modifies the contract to shift funds from Phase 2 services to Phase 3 services.

Phase 1 – Metering Plan Assistance (Complete)

Phase 2 – Metering Support, Analysis and Program Development (Modification)

Previous Phase 2 – Metering Support, Analysis and Program Development:

This phase includes the bulk of our defined scope of services during the fiscal year from July 1, 2019 – June 30, 2020. A detailed I&I analysis, development of a plan for the City's I&I program based on the findings from the metering, and an allowance for as-needed flow metering support will be performed. Specific work efforts include:

1. Develop GIS map of meter districts, acreages and populations (complete)
2. H2Ometrics initial setup for data feeds (complete)
3. H2Ometrics subscription for six (6) months (ongoing)
4. Weekly data QA/QC reviews and weekly written update to City (6-month duration in Fall 2019 and Spring 2020) (on-hold while data is accumulating except for monitoring collection is occurring)
5. I&I Analysis in H2Ometrics (DWF metrics, wet weather I&I metrics, rainfall IDF metrics, RDII metrics, map results) (Analysis of existing data performed. On hold till flow meter data is accumulated)
6. Development of recommendations for I&I program (ranking of districts, methods of investigation, CIP level budget items, schedule). (on hold till data is accumulated)
7. Report (district maps, meter results, summary of I&I analysis, program recommendations)
8. Two (2) meetings with City to review analysis, recommendations, and report, including meeting prep time (complete)

9. Allowance for on-going metering technical support (on-hold)

The following phases are outlined below to develop common expectations and approach, but these are

Remaining budget will be shifted to Phase 3 scope of services to expedite advancement of the I&I reduction efforts. Remaining scope of services will remain but will be postponed until funding is available in 2021 fiscal budget.

Phase 3 – I&I Reduction Program (New Scope)

This phase will include I&I support services for the advancement of the I&I Reduction Program. The CONSULTANT will provide services for:

TASK 1: Annual Services Contract for Manhole Rehabilitation

- Develop manhole subsurface rehabilitation specification and contract documents for an Annual Services Contract. Contract documents will adhere to City requirements for contracted services.

TASK 2: ArcGIS Online Account Development

- Work with City to establish their base ArcGIS Online account
- Analyze City's existing licensing to determine usernames, permissions, and roles; then create these usernames with designated permissions and roles.

TASK 3: Existing Geodatabase Development

- Run QC checks on the feature geometry and attribution
- Correct topological errors that are found to create a full geometric network.
- Develop a custom naming system with unique IDs amongst all feature classes. Maintain any existing IDs in LegacyID field.

TASK 4: ArcGIS Online Application Development

- Develop a smoke testing application for field crews and office staff to track work.
- Develop a MACP compliant Manhole application for field crews and office staff to track work.

TASK 5: Work Release Package #1

- Develop Work Release Package #1 for issuance to awarded sewer contractor for manhole rehabilitation. Package will include pay item quantities and plan sheets for sewer manhole rehabilitation locations.

ATTACHMENT B –PERIOD OF SERVICE

Phase	Completion Date/Time
Phase 1 – Meter Planning Assistance	Complete
Phase 2 – Metering Support, Analysis and Program Development	Onhold / TBD
Phase 3 – I&I Reduction Program	Ongoing / April 30,2020

ATTACHMENT C - COMPENSATION AND PAYMENT

Lump Sum Schedule of Values:

1. The total compensation for services identified under Amendment 1 is unchanged with a Lump Sum total of \$ 49,998 based on the following schedule of values:

Phase	Previous Contracted	Amendment Compensation	Revised Compensation
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	Compensation (LS)	(LS)	(LS)
Phase 1 – Metering Plan Assistance	\$9,098	\$0	\$9,098
Phase 2 – Metering Assistance, Analysis and Program Development	\$33,900	-\$19,800	\$14,100
Phase 3 – I&I Reduction Program			
- Annual Services Contract (MH Rehab)	\$0	\$6,000	\$6,000
- ArcGIS Online Account Development	\$0	\$800	\$800
- Existing Geodatabase Development	\$0	\$2,000	\$2,000
- ArcGIS Online Application Development (Smoke Testing and MACP MH Inspection Platforms)	\$0	\$8,000	\$8,000
- Work Release Package #1	\$0	\$3,000	\$3,000
Phase 3 - Subtotal	\$0	\$19,800	\$19,800
Direct Expenses (H2OMetrics)	\$7,000	\$0	\$7,000
TOTAL	\$49,998	\$0	\$49,998

City of Spring Hill
CLIENT

Rick Graham
Mayor

March 16, 2020
Date

Orchard, Hiltz, & McCliment, Inc.
CONSULTANT

Jason Griffin, P.E.
Engineering Manager

3/18/2020
Date