

RESOLUTION 20-68

A RESOLUTION TO APPROVE AMENDMENT NO. 02 FOR OHM, INC. PROFESSIONAL SERVICES AGREEMENT FOR INFLOW AND INFILTRATION REPAIRS

WHEREAS, the City of Spring Hill Board of Mayor and Aldermen approved the professional services agreement with OHM, Inc. to assist with developing a program for Inflow and Infiltration ("I&I") reduction repairs, manhole rehabilitation and maintenance with Resolution 19-92 and Amendment No. 1 with Resolution 20-30; and

WHEREAS, OHM, Inc. has submitted Amendment No. 2 to the Professional Services Agreement that provided for metering plan assistance and support, flow analysis, program development and various support services in the implementation of the I&I reduction program; and

WHEREAS, Amendment No. 2 provides for continuing metering supports analysis and program development services, I&I reduction programming (annual recurring and non-recurring) as more fully described in Amendment No. 2 and Attachment A, attached hereto; and

WHEREAS, the additional compensation requested is \$310,235.00, as shown in Exhibit A and further defined as:

Phase 2 – Metering support analysis and program development - \$68,210.00

Phase 3A - I&I reduction program - \$164,325.00 (annual recurring cost)

(Sewer inspections guidance, data review, rehab recommendations; work release packages; bid phase support; construction assistance; GIS setup; asset management)

Phase 3B – I&I reduction program - \$75,200.00 (non-recurring cost)

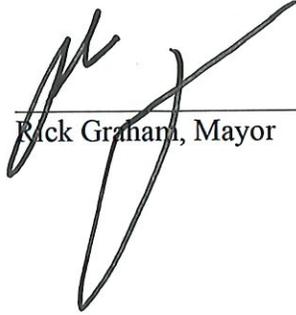
(Annual service contracts; hydraulic modeling; policy guidance; public engagement; standard operating procedures and operations manual document development_

Direct expenses - \$2,500.00

WHEREAS, the expenditure of \$310,235.00 as described above and attached hereto shall be funded utilizing available uncommitted funds from **the Water-Sewer Operating Fund**.

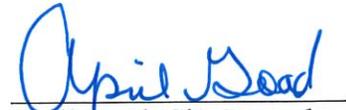
NOW, THEREFORE BE IT RESOLVED, that the City of Spring Hill, Board of Mayor and Aldermen approves Amendment No. 02 attached hereto for OHM, Inc. Professional Services Agreement for continuing metering support analysis and program development services, I&I reduction programming (annual recurring and non-recurring) in the total amount of \$310,235.00.

Passed and adopted by the Board of Mayor and Aldermen of the City of Spring Hill,
Tennessee on the 15th day of June, 2020.



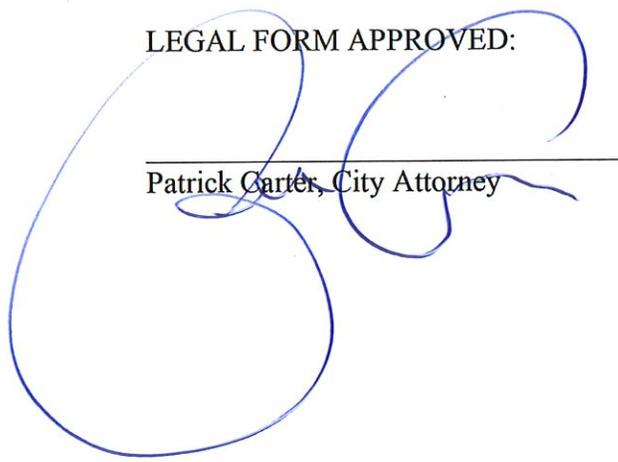
Rick Graham, Mayor

ATTEST:



April Goad, City Recorder

LEGAL FORM APPROVED:



Patrick Carter, City Attorney

SUBJECT: Resolution 20-68 to approve Amendment No. 02 to Professional Services Agreement with OHM, Inc. for continuing I&I Program

DATE: June 1, 2020

ATTENTION: Board of Mayor and Aldermen

STAFF: Victor Lay, City Administrator



STAFF MEMORANDUM

The City Board of Mayor and Aldermen approved the Professional Services Agreement with OHM, Inc. for continuing inflow and infiltration (I&I) consultant services by Resolution 19-92 (dated June 17, 2019) in the amount of \$49,998, paid from the Sewer Collections cost center in the Water/Sewer Fund. Amendment No. 01 was approved by Resolution 20-30 (dated March 16, 2020) to allow OHM, Inc. to begin development of specifications and bid documents to obtain contractor(s) for I&I repairs. Amendment No. 01 required no additional funding.

Amendment No. 02 is in the amount of \$310,235.00 and adds additional task for Phase 2, creates tasks in Phase 3A and 3B and allows for direct expenses. These services are more fully described as:

Description	Labor Fee	Direct Expenses	Total Fee
Phase 2 - Metering Support Analysis and Program Development			
Phase 2 Services (Remaining services)	\$ 19,800		\$ 19,800
Phase 2A Services (FY 2021)	\$ 39,910	\$ 8,500	\$ 48,410
Subtotal			\$ 68,210
Phase 3A - I&I Reduction Program (Recurring FY 2021 - Amendment 2)			
Task 1 Sewer Inspections Guidance, Data Review, and Rehab Recommendations	\$ 39,990		\$ 39,990
Task 2 Work Release Packages	\$ 30,140		\$ 30,140
Task 3 Bid Phase Support Services	\$ 14,975		\$ 14,975
Task 4 CA Phase Services	\$ 48,820		\$ 48,820
Task 5 GIS/AGOL App support	\$ 3,970		\$ 3,970
Task 6 Client/Public Meetings	\$ 8,160		\$ 8,160
Task 7 Asset Management	\$ 8,770		\$ 8,770
Task 8 Out of Scope Allowance	\$ 9,500		\$ 9,500
Subtotal			\$ 164,325
Phase 3B - I&I Reduction Program (Non-Recurring FY 2021 - Amendment 2)			
Task 1 Annual Service Contracts	\$ 9,920		\$ 9,920
Task 2 AGOL Web/Map/Operations Dashboard	\$ 7,000		\$ 7,000
Task 3 Hydraulic Modeling/EQ Evaluation at WWTP	\$ 14,575		\$ 14,575
Task 4 Policy Guidance/Public Engagement	\$ 13,985		\$ 13,985
Task 5 SOP/O&M Docs	\$ 29,720		\$ 29,720
Subtotal			\$ 75,200
Direct Expenses		\$ 2,500	\$ 2,500
Amendment 2 Total	\$ 299,235	\$ 11,000	\$ 310,235

Phase 3A is recommended as a recurring cost for each year on an annual basis. These are support services that would help with the advancement of the I&I program for the City. Phase 3B is a one-time cost and not expected to recur annually.

The Amendment No. 02 and Attachment A are attached as part of Resolution 20-68.

OHM, Inc. has submitted a summary of work completed to-date under the original Professional Services Agreement and Amendment No. 1. The summary is included with this staff memo (reference next two pages of staff memo). City staff has identified areas in need of repair and is in the process of entering this data into the database for OHM, Inc. to produce a map depicting all areas. An example of the City staff analysis reports is also attached.

STAFF RECOMMENDATION

Staff recommends approval of Resolution 20-68.

City of Spring Hill
Inflow and Infiltration Program Development
OHM Project 0004190010

Summary of activities as of 5/29/2020

Scope of Work

Phase 1 - Metering Plan Assistance:

This phase includes development of a flow metering plan, reviewing the City's sewer mapping and previous studies, recommendation and site reconnaissance of installation locations, and technical support for meter installation through the summer of 2019. Specific work efforts include:

1. Acquire and review City's sewer mapping and prior studies - Complete
2. Determine locations for meter installation (7 total) - Complete
3. Assist the City in meter site field reconnaissance - Complete
4. Recommend specific manholes for installation - Complete
5. Meeting with City to review metering plan – Complete (8/1/2019)
6. Allowance for meter installation technical support - Complete
7. Allowance for additional as-needed support – Complete

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 - Complete
4. Weekly data QA/QC reviews and weekly written update to City (6-month duration in Fall 2019 and Spring 2020) – Completed monitoring of online data and notify M. Miller if issues are observed through March.
5. I&I Analysis in H2Ometrics (DWF metrics, wet weather I&I metrics, rainfall IDF metrics, RDII metrics, map results) – Issued draft report 2/28/2020 for data collected. Remaining scope removed per Amendment 1 and to be reinstated under Amendment 2.
6. Development of recommendations for I&I program (ranking of districts, methods of investigation, CIP level budget items, schedule). – Scope removed per Amendment 1 and to be reinstated under Amendment 2.
7. Report (district maps, meter results, summary of I&I analysis, program recommendations) – Scope removed per Amendment 1 and to be reinstated under Amendment 2.
8. Two (2) meetings with City to review analysis, recommendations, and report,

including meeting prep time – Scope removed per Amendment 1 and to be reinstated under Amendment 2.

9. Allowance for on-going metering technical support – On going

Amendment 1 – Phase 3 – I&I Reduction Program

This phase will include I&I support services for the advancement of the I&I Reduction Program. These tasks are foundational steps which will support the program as it expands under the 2021 Fiscal year.

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. - Complete

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. - Complete

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. - Completed

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. – On going. Complete by 6/10

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. – On going. Have reviewed initial Manhole inspection reports and developed initial project budget. Will be completed once inspection data has been entered by City staff into AGOL database.

Additional activities to support Program development

- I&I reduction program coordination with Chip
- Review and comment on Oxidation Ditch RFP
- Client Meeting 11/4/19 – Discuss I&I program
- Client Meeting 12/6/19 – Discuss GIS needs, smoke testing platform, Manhole inspections
- Client Meeting 1/15/2020 – Meeting for Sewer Manhole Rehab Strategy
- Client Meeting 2/6/2020 – Meeting for I&I Program and Amendment 1
- Client Meeting 4/1/2020 – Meeting for I&I Program and Amendment 2 development
- Client Meeting 5/14/2020 – I&I Program meeting and Amendment 2 discussion



Manhole Inspection Form

Tech: Michael Miller / Michael Pinkley
Date: 1-6-2020

Location: 205 Spruce St.

MH ID: Pear tree 1

Present Use: Storm Sanitary Other

Surface Cover: grass

Grade to Manhole: Flush Below Above

Cover Diameter: 24"

Cover Condition: Good Fair Poor

Riser Rings: Number 0 Alignment: _____

Casting Condition: Good Fair Poor

Manhole Type: Precast poured in place

Manhole Condition: Good Fair Poor

Step Condition: Good Fair Poor

Type: Re-rod Cast Reinf. Plastic Other

Apron Condition: Good Fair Poor

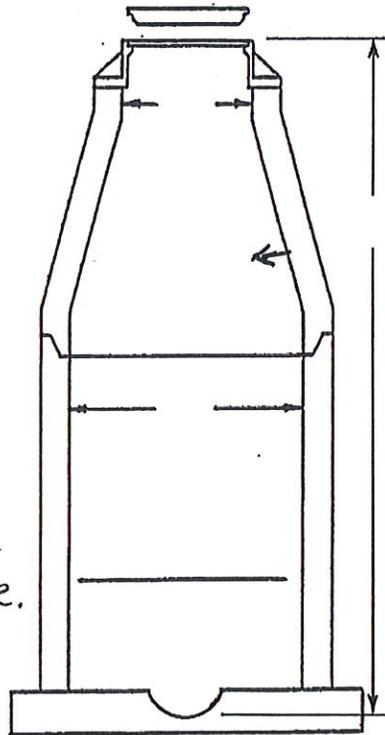
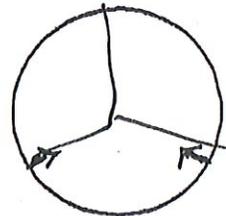
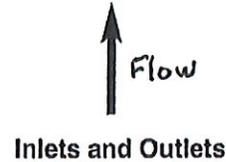
Drop Manhole: Yes No

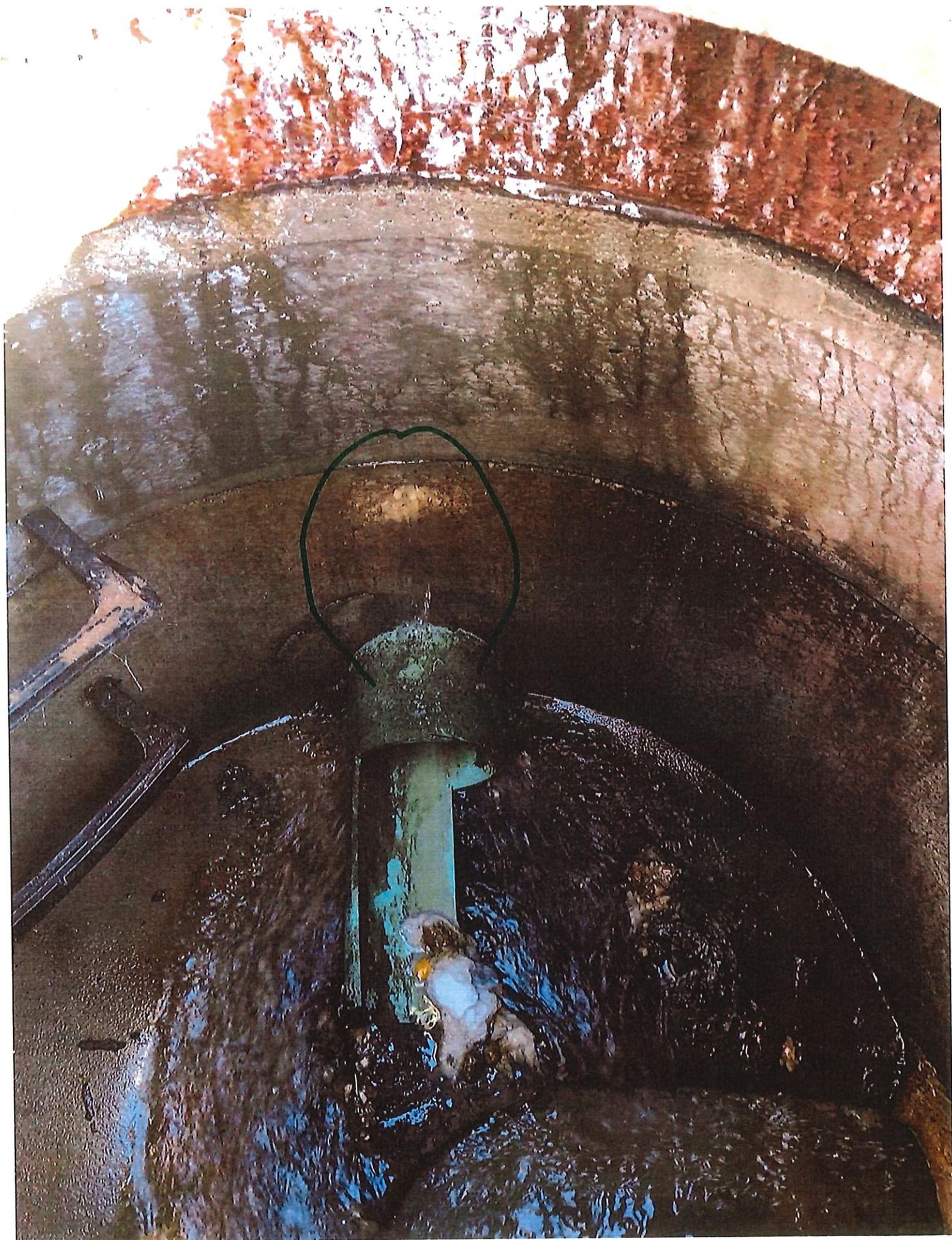
Type: Outside Inside

Infiltration: Yes No

Where: Pipe Invert Casting Walls

Comments: Infiltration coming in through drilled hole in the cone.
Infiltration coming in through invert around pipe. Where cored





AMENDMENT 2
Dated April 1, 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 to be expanded under this Amendment to support the advancement of the Sewer System Inflow & Infiltration (I&I) Program for Fiscal Year 2021. Typical sewer system rehabilitation efforts are accomplished in a 10-15 year time frame for most Utility Districts and Municipalities. The time required to meet the goals of the City, I&I reduction in this case, is a function of project funding. The more funding leads to a shorter duration. Less funding results in a longer duration. This scope was based on an anticipated \$1,000,000 program budget for Fiscal Year 2021. Compared to other comparable sized systems, this level of funding may result in a longer duration program. However, the City of Spring Hill is unique in that its sewer system is relatively young. I&I reduction results achieved within the first few years of the program will indicate if progress is meeting expectations. For clarity, Amendment 2 includes New Scopes of work identified under Phase 2A, Phase 3A, and Phase 3B. Phase 1, Phase 2, and Phase 3 were previously executed under the Task Order #1 and Amendment 1.

Phase 1 – Metering Plan Assistance (Complete)

Phase 2 – Metering Support, Analysis, and Program Development (Completion of original Scope):

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 1, 2, 3, 7, and 8 were completed prior to execution of Amendment 1 (March 16) which paused remaining work for efforts 4-6, and 9. The original value of Phase 2 services is restored as part of Amendment 2.

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 (complete)
4. Weekly data QA/QC reviews and weekly written update to City (6-month duration in Fall 2019 and Spring 2020) (to be completed)
5. I&I Analysis in H2Ometrics (DWF metrics, wet weather I&I metrics, rainfall IDF metrics, RDII metrics, map results) (complete analysis of additional data collected)
6. Development of recommendations for I&I program (ranking of districts, methods of investigation, Capital level budget items, schedule). (to be completed)

7. Report (Complete development of report)
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 (to be completed)**

Phase 2A – FY 2021 Flow Meter Analysis and Program Development (FY 2021 – Amendment 2 – New Scope of Work):

Phase 2B continues flow meter analysis and program development started in Phase 2 for the 2021 Fiscal Year. Flow meters are anticipated to be moved from the initial installation locations to evaluate I&I levels in additional sewer basins. Detailed I&I analysis for new flow meter data will be conducted as before and data analyzed on a quarterly basis. Basins/sub-basins with higher I&I volumes/linear foot will be targeted for smoke testing and MACP/LACP/PACP inspection efforts by City staff. Results from inspection data will then focus rehabilitation efforts on assets contributing to I&I. Breakdown of efforts are below:

1. Develop GIS map for new meter districts, acreages, and populations
2. H2Ometrics setup for new location data feeds (14 – 7 meters moved twice)
3. H2Ometrics subscription for twelve (12) months
4. Flow monitor data integrity checks to identify data stream dropout.
5. I&I Analysis in H2Ometrics (DWF metrics, wet weather I&I metrics, rainfall IDF metrics, RDII metrics, map results)
6. Continue development of recommendations for I&I program (ranking of districts, methods of investigation, Capital level budget items, schedule).
7. Amend Report with new flow monitor data at 6-month intervals (Dec 2020, June 2021)
8. Four (4) meetings with City to review analysis, recommendations, and report, including meeting prep time

Phase 3 – I&I Reduction Program (FY 2020 – Amendment 1 Scope – NO MODIFICATION)

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 (on going)
- TASK 2: ArcGIS Online Account Development (on going)
- TASK 3: Existing Geodatabase Development (on going)
- TASK 4: ArcGIS Online Application Development (on going)
- TASK 5: Work Release Package #1 (on going)

Phase 3A – I&I Reduction Program (FY 2021 – Amendment 2 – New Scope of Work)

This phase will include **RECURRING** I&I support services for the advancement of the I&I Reduction Program for the 2021 Fiscal Year July 1, 2020 to June 30, 2021. **Phase 3A efforts could be expected to reoccur on an annual basis.** The CONSULTANT will provide services for:

TASK 1: Sewer Inspections Guidance, Data Review, and Rehabilitation Recommendations

1. Coordinate with City staff up to 600 Manhole inspections, review inspections data, and make rehab recommendations for up to 200 Manholes.
2. Coordinate with City staff up to 200 Lateral inspections, review inspections data, and make rehab recommendations for up to 40 Laterals.
3. Coordinate with City staff up to 5,000 LF of Gravity Main inspections, review inspections data, and make rehab recommendations for up to 3,000 LF of Gravity Main.

TASK 2: Work Release Packages

Work Release Packages are sized to expend the FY 2021 Sewer I&I budget of \$1,000,000.

1. Develop up to 4 Manhole Rehab (subsurface) Work Release Packages (#2-#5)
2. Develop up to 2 Lateral CIPP Work Release Packages (#1, #2)
3. Develop up to 2 Gravity Main CIPP Work Release Packages (#1, #2)

TDEC permit review fees will be paid directly by the City.

TASK 3: Bid Phase Support Services

OHM will provide Bid Phase services for each of the three Annual Services Contracts.

1. Generate advertisement for bid for Client to publish locally; and will post on QuestCDN
2. Perform bid opening, evaluation, and award recommendation (3 total bid openings).

TASK 4: Construction Administration

OHM will provide Construction Phase services for each of the three Annual Services Contracts. Services will include:

1. Conform Executed construction contracts (3 Contracts)
2. Review contractor submittals (3 Contracts)
3. Pre-construction meetings (3 Total)
4. Progress Meetings (Up to 8)
5. Process Contractors Pay Estimates (Up to 8)
6. Contractors Annual Services Contract Renewal (3)
7. Coordination with Contractors and City Staff on construction activities

TASK 5: GIS AGOL Applications Support

As the I&I Reduction Program advances, asset information being collected and how this information is used will naturally evolve. OHM will provide technical support for the GIS/AGOL applications to address these needed changes. This task includes up to 30 hours of as needed support to address:

1. Map/layer configuration changes
2. Database schema changes
3. Integration/workflow changes
4. Troubleshooting technical support
5. Users changes and permissions

TASK 6: Client/Public Meetings

OHM will attend meetings with the client/public as requested which are not identified as being part of another Task. Includes up to 12 meetings.

TASK 7: Asset Management Guidance and Development

A sound asset management system is key to the longevity of any sewer system and is essential for proper planning and fiscal stability. A GIS centric asset management system revolves around data. The primary data components are: What assets do you have, Where are they, What condition are they in, and When will they need to be replaced. Once these primary components have been identified, the questions of asset criticality and consequence of failure can be introduced. Planning for capital, operation, and maintenance expenses can then be prioritized based on these factors.

Asset Management is a continuous process. OHM will provide guidance and development in taking the first steps of this process by:

1. Evaluating existing GIS data sets to identify essential data gaps.
2. Develop strategies to obtain this data over time through other system activities by field staff.
3. Identify/modify needed GIS schema changes.
4. Incorporate O&M scheduled maintenance measures based on reoccurring work orders.

TASK 8: Out of Scope Work Allowance

Should out of scope services be needed in a timely manner, this value of the contract is reserved to perform professional services which are out of scope from those detailed in the previous tasks. Work would only commence with written authorization of the City Administrator.

Phase 3B – I&I Reduction Program (FY 2021 – Amendment 2 – New Scope of Work)

This phase will include **NON-RECURRING** I&I support services for the advancement of the I&I Reduction Program for the 2021 Fiscal Year July 1, 2020 to June 30, 2021. **Phase 3B efforts are not expected to reoccur annually.** The CONSULTANT will provide services for:

TASK 1: Annual Services Contract

OHM will develop contract specifications and procurement package for:

1. Annual Services Contract for Lateral Cured in Place Pipe (CIPP) Lining Contract
2. Annual Services Contract for Gravity Main Cured in Place Pipe (CIPP) Lining Contract

TASK 2: AGOL Utility Viewer/Operations Dashboard/Public Notifications Landing Page

OHM will develop and provide technical support for:

1. Develop an internal Utility Viewer. This web map will contain all GIS features that the city would like to be able to view. This will include but is not limited to the following: Utilities (Water, Sewer, Storm), parcels, road centerlines, floodplains, wetlands, et al. Map will be fully searchable by address, Parcel ID, utility structure IDs. As it relates to this program, it will allow sewer staff to have access to a copy the master GIS dataset and make updates digitally. Edit permissions on a field by field basis would be coordinated by the City's GIS director. Those field edits would be integrated back into the master database by City personal.
2. Develop internal Operations Dashboard. This real time data portal will provide the Utilities Director, BOMA, and other management staff with access to I&I Program level information including:
 - a. Which parts of the system have been inspected, rehabilitated, and are planned for rehabilitation
 - b. Locations of active work
 - c. Track I&I Program progress
 - d. Provide program level summary/planning information such as totals of work contracted, work completed, work planned, and inspection totals.
3. Develop Smoke Testing public viewer map to be embedded on City's website. This page would keep the public informed of where smoke testing activities are occurring. Information obtained through the smoke testing application will feed this map.

TASK 3: Hydraulic Modeling to Evaluate WWTP Peaking Factors

To better understand to what extent existing inline storage is being used to mitigate peak flows through the WWTP during rain events, OHM will utilize the existing sewer hydraulic model. OHM will also evaluate the potential to postpone/mitigate expansion of the WWTP and/or lessen/mitigate sewer system rehab efforts. The accuracy of the existing model developed by others is unknown. In the absence of complete model validation, it is proposed to compare actual WWTP incoming flows based on metered data to the hydraulic model. Should results validate relative model accuracy, the model will be used to run three scenarios:

1. Evaluating inline storage capacity/utilization of sewer interceptor near WWTP based on a selected storm event.
2. Evaluate ability of onsite 1 MG EQ storage at the WWTP to mitigate I&I events.
3. Evaluate ability of onsite 2 MG EQ storage at the WWTP to mitigate I&I events.

A Technical Memorandum of findings will be developed and any resulting recommendations. This information will be critical to overall program development and establishment of goals for I&I reduction efforts for the collection system.

Should the validation effort reveal the model is not accurate enough to proceed, work will pause and effort to achieve validation will be evaluated.

TASK 4: Policy Guidance/Public Engagement

Provide professional and technical services related to the development of public governance policies. OHM will also provide support during public meetings to explain the technical reasons for implementing new policies and procedures. OHM will also reference other communities who have successfully implemented new procedures. OHM will also review the Unified Development Code and Planning Commission language to evaluate implementable measures.

TASK 5: Standard Operating Procedures (SOP) / Capacity Management Operations & Maintenance (CMOM) Plan

Well-structured SOP's and a CMOM are important tools within the toolbox for any municipal sewer utility to ensure legacy commitment to operational excellence. Legacy commitment is when government leadership adequately and properly documents policies and procedures for all its assets' management. Regardless of staff turnover, an SOP and CMOM will guide the utility staff in daily, weekly, monthly, and annual maintenance protocols and practices.

ATTACHMENT B –PERIOD OF SERVICE

Phase	Completion Date/Time
Phase 1 – Meter Planning Assistance	Complete
Phase 2 – Metering Support, Analysis and Program Development	Resume upon execution of Amendment 2 / 45 days
Phase 2A – FY 2021 Flow Meter Analysis and Program Development (Amendment 2)	June 30, 2021 / 365 days
Phase 3 – I&I Reduction Program (Amendment 1)	Ongoing / April 30, 2020
Phase 3A – I&I Reduction Program (Amendment 2)	June 30, 2021 / 365 days
Phase 3B – I&I Reduction Program (Amendment 2)	June 30, 2021 / 365 days

ATTACHMENT C - COMPENSATION AND PAYMENT

Lump Sum Schedule of Values:

- The total compensation for services identified under Amendment 2 is a Lump Sum total of \$ 310,235 based on the summary values below: Attachment A includes the schedule of values by Phase and Task.

Phase	Contract	Previous Contracted Compensation (LS)	Amendment Compensation (LS)	Revised Compensation (LS)
Phase 1 – Metering Plan Assistance	Original	\$9,098	\$0	\$9,098
Phase 2 – Metering Assistance, Analysis and Program Development	Original/Amend. 1/Amend. 2	\$14,100	\$19,800	\$33,900
Phase 2A – FY 2021 Flow Meter Analysis and Program Development (FY 2021)	Amendment 2	\$0	\$39,910	\$39,910
Phase 2/2A Direct Expenses	Original	\$7,000	\$8,500	\$15,500
Phase 3 – I&I Reduction Program (FY 2020)	Amendment 1	\$19,800	\$0	\$19,800
Phase 3A – I&I Reduction Program (FY 2021)	Amendment 2	\$0	\$164,325	\$164,325
Phase 3B – I&I Reduction Program (FY 2021)	Amendment 2	\$0	\$75,200	\$75,200
Direct Expenses	Amendment 2	\$0	\$2,500	\$2,500
TOTAL		\$49,998	\$310,235	\$360,233

City of Spring Hill

CLIENT

Rick Graham
City Mayor

Date

Orchard, Hiltz, & McCliment, Inc.

CONSULTANT

Greg Sanford, P.E.
Project Manager

Date

7/11/2020

Spring Hill I&I Program - Task Order No.1 Amendment 2
 Attachment A: OHM Schedule of Values
 Date: 4/1/2020

Description	Labor Fee	Direct Expenses	Total Fee
Phase 2 - Metering Support Analysis and Program Development			
Phase 2 Services (Remaining services)	\$ 19,800		\$ 19,800
Phase 2A Services (FY 2021)	\$ 39,910	\$ 8,500	\$ 48,410
Subtotal			\$ 68,210
Phase 3A - I&I Reduction Program (Recurring FY 2021 - Amendment 2)			
Task 1 Sewer Inspections Guidance, Data Review, and Rehab Recommendations	\$ 39,990		\$ 39,990
Task 2 Work Release Packages	\$ 30,140		\$ 30,140
Task 3 Bid Phase Support Services	\$ 14,975		\$ 14,975
Task 4 CA Phase Services	\$ 48,820		\$ 48,820
Task 5 GIS/AGOL App support	\$ 3,970		\$ 3,970
Task 6 Client/Public Meetings	\$ 8,160		\$ 8,160
Task 7 Asset Management	\$ 8,770		\$ 8,770
Task 8 Out of Scope Allowance	\$ 9,500		\$ 9,500
Subtotal			\$ 164,325
Phase 3B - I&I Reduction Program (Non-Recurring FY 2021 - Amendment 2)			
Task 1 Annual Service Contracts	\$ 9,920		\$ 9,920
Task 2 AGOL Web/Map/Operations Dashboard	\$ 7,000		\$ 7,000
Task 3 Hydraulic Modeling/EQ Evaluation at WWTP	\$ 14,575		\$ 14,575
Task 4 Policy Guidance/Public Engagement	\$ 13,985		\$ 13,985
Task 5 SOP/O&M Docs	\$ 29,720		\$ 29,720
Subtotal			\$ 75,200
Direct Expenses		\$ 2,500	\$ 2,500
Amendment 2 Total	\$ 299,235	\$ 11,000	\$ 310,235