

RESOLUTION 21-69

A RESOLUTION TO AUTHORIZE A GRANT APPLICATION FOR FUNDS TO ASSIST WITH SEWER INFLOW AND INFILTRATION REPAIRS

WHEREAS, the City of Spring Hill is actively assessing the City's manholes to determine where leaks exist in an effort to reduce the inflow and infiltration ("I & I") of rain water into the sewer system; and

WHEREAS, grant funds are available through Tennessee Department of Economic and Community Development ("TNECD") to assist local government bodies with public infrastructure repairs; and

WHEREAS, the City's I & I consultants, OHM Advisors, has completed the grant application to request grant funding in the amount of \$49,000 with the City required to commit to a match of \$2,600 (5.04%); and

WHEREAS, if received, the grant funds would allow for the City to utilize an outside contractor to assist in the evaluation of all manholes within City limits in a timely manner which staff is not currently available to perform due to limited staff; and

WHEREAS, City staff recommends authorization a grant application for funds to assist with sewer I & I repairs through TNECD.

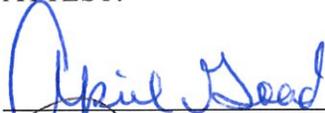
NOW, THEREFORE BE IT RESOLVED, the City of Spring Hill Board of Mayor and Aldermen:

1. Commits and obligates a grant match in the amount of \$2,600 if the grant funds are received in the amount of \$49,000.
2. Authorize the grant application be submitted electronically online.

Passed and Adopted by the Board of Mayor and Aldermen of the City of Spring Hill, Tennessee on the 17th day of April, 2021.


Jim Hagaman, Mayor

ATTEST:


April Goad, City Recorder

LEGAL FORM APPROVED:


Patrick Carter, City Attorney



REQUEST: *Approval of Resolution 21-69*
SUBMITTED BY: Pam Caskie, Interim City Administrator
DATE: May 3, 2021
RE: To authorize a grant application for funds to assist with sewer inflow and infiltration repairs
ATTACHMENTS: Grant application

PURPOSE:

The purpose of this resolution is to authorize a grant application be submitted electronically online to apply for funds to assist with I&I repairs and to commit to a match of \$2,600.

BACKGROUND:

The City of Spring Hill is currently in a contract with OHM Advisors to assist with our sewer I&I program. They have presented a grant opportunity to the City through Tennessee Department of Economic and Community Development through with local governments are eligible to receive grant funds for public infrastructure repairs. The grant application would be for funds to be used to contract with an outside vendor to assist in the evaluation of all manholes to assess for leaks that allow rain water to enter the City's sewer system. The grant application is not submitted via paper copies; all applications are submitted electronically. The amount of grant funds requested is \$49,000 with the City committing to a match of \$2,600 (5.04%).

FINANCIAL IMPACT:

The financial impact would be the match of \$2,600 payable from the Water/Sewer operating fund.

STAFF RECOMMENDATION:

Staff recommends approval of Resolution 21-69 to:

1. Commits and obligates a grant match in the amount of \$2,600 if the grant funds are received in the amount of \$49,000.
2. Authorize the grant application be submitted electronically online.

Applicant (Legal Name):

City of Spring Hill

Amount of Request:

Total Project Cost:

Contact Person:

Missy Stahl

Email:

mstahl@springhilltn.org

Applicant Address:

199 Town Center Parkway
Spring Hill, TN 37174

Chief Elected Official or Chief Executive Officer (Contract Signer):

Jim Hagaman

CEO Title :

City Mayor

Phone:

(931) 486-2252 ext. 215

Email:

BOMA@springhilltn.org

FEIN:

620692693

Application Preparer (If different than contact person):

Jeremy Bronner

Email:

jeremy.bronner@ohm-advisors.com

Community Served and County:

Spring Hill, TN- Williamson/Maury County

Total number of utility customers:

16314

Do you qualify for this program as a :

Distressed County

Type of Project:

Sewer System Study

One sentence statement describing the purpose of the proposed project.:

Grant Amount:

49000

Grant %:

94.96

Match Amount:

2600

Match %:

5.04

Match Source:

The City of Spring Hill

This project supports Spring Hill's I/I Program which has 3 concurrent phases of focus; Flow monitoring and basin prioritization, Targeted SSES inspection of MH's, followed by Targeted rehabilitation efforts. This strategic process ensures that the City is getting the largest I/I reduction for construction dollars spent. By performing the next phase of manhole inspections, additional system assets will be identified for rehabilitation and reduction of I/I. The City is currently obtaining a loan from the State Revolving Fund (SRF) for construction activities. The rehab recommendations developed under this SSES effort will be assigned a work to be performed as part of the SRF Loan. The inspections work performed is also included in the City's GIS which will further develop the initial efforts of an asset management database. This will be a long term benefit to the City of Spring Hill to more efficiently manage the wastewater collection, and better serve the customers.

The field inspections of manholes will be performed with the assistance of a consultant. To obtain I/I observations during inspections, work will be conducted during or shortly after wet weather events. This provides the highest probability of finding system issues. As such, the window of inspection opportunity is narrow and requires more staff to complete the number of inspections during short time constraints. The City does not have sufficient personnel to meet the staffing personal required to make substantial progress during these wet weather events. Thus, supplemental staff will be provided by the consultant to complete this work.

Once funding for this project is received, we will mobilize for the manhole inspections. The field inspection will take approximately 4-6 weeks, and will be weather dependent, ie. inspections may be performed following rainfall events that affect the infiltration. Review and checking of the field data will require an additional two weeks to perform. In total, we anticipate the project taking no longer than three (3) months to complete, including a contingency for potential weather conditions.

Strategic Plan. Describe how this project fits into any strategic plan, asset management plan or capital improvement plan for the utility or community. :

Implementation. Describe how the project will be implemented (third party contractor, current staff, etc.) and the capacity of the staff to carryout the project.:

Timeline. Provide a timeline that shows that the project can be completed in 12-18 months and includes time for procurement, completing the study/ies, and analysis of results. :

The information regarding the condition of each manhole will be evaluated and prioritized for rehabilitation. The consultant will analyze and recommend the necessary improvements to rehabilitate each manhole exhibiting infiltration. In the future, manholes will be re-inspected to assess the adequacy of the rehabilitation work, thereby maintaining the wastewater collection system. Post rehab flow monitoring will be conducted to determine the effectiveness of the rehabilitation. The wastewater treatment plant will greatly benefit by the reduction of inflows to the plant, operate more efficiently, yield lower operating cost and ultimately less the discharge from the WWTP into the receiving stream.

Sustainability. Explain how the studies and information collected will be used to improve the utility system and what next steps will be taken with the information. :

Strategic Rationale. Discuss the problems, issues and/or opportunities that the project will alleviate or address and how these issues/opportunities impact the community and utility service. Address why this should be funded by TNECD (why this cannot be completed by the utility).:

Collaborative Partnerships. Identify local/regional partners that have been or will be involved in carrying out the activities. Include letters of support from those partners.:

Letters of Support:

The City of Spring Hill will benefit greatly from this project to reduce I/I in the wastewater collection system. As I/I is reduced, collection system capacity will be restored, maintenance and operational costs will be lowered, also requiring the treatment of less wastewater. This project will benefit the customers of Spring Hill by helping maintain the sewer collection system for decades to come and stabilize wastewater rates.

Impact Measures. Describe the impact of this project on your community and utility system. :

Output Measure - Number of Businesses in the proposed service area:

253

Outcome Measure - Number of Businesses Improved in the proposed service area:

253

16314

Output Measure - Number of Households in the proposed service area:

16314

Outcome Measure - Number of Households Improved in the proposed service area:

Output Measure - Approximate linear feet of line to be studied:

Additional Output and Outcome Measures. If studying water loss or I/I, include planned linear feet of lines that will be studied. If you plan to map your system, what percentage of your system will be mapped? Include any additional information on outputs and outcomes that will be helpful for reviewing or scoring the grant application. :

How many customers are on the impacted system? (TNECD is targeting grant funds to those with more than 500 customers):

Include a map showing your utility system and what areas would be studied with this grant.:

[View File](#)

Pre-Grant Form (This form can be found under the Grant at a Glance tab.):

Budget (This document can be found at the link above the application):

[View File](#)

Support Letter from Utility. If the utility is not the applicant, include a support letter signed by the Utility Director that shows support for the project and how the data will be used. :

[View File](#)

Water Loss Data. If applying to study water loss, include the last 12 months of water loss data. :