

**REQUEST FOR PROPOSAL # 274-SSFM-310-5210  
SANITARY SEWER FLOW MONITORING**

**CITY OF RALEIGH  
RALEIGH, NORTH CAROLINA**

**SUBJECT: ADDENDUM NO. 1**

To the RFP for:  
Sanitary Sewer Flow Monitoring  
Raleigh, N.C.

**To: PROSPECTIVE PROPOSERS AND OTHER CONCERNED PARTIES**

This ADDENDUM modifies and or clarifies the original Request for Proposal as noted below (in red). Proposers shall acknowledge receipt of the ADDENDUM via email to [alexander.justel@raleighnc.gov](mailto:alexander.justel@raleighnc.gov)

A. The following changes have been made to the text in the Table of Contents, Section 2 (Request for Proposals Required Document Format), and Section 4.1 (General) in the Scope of Services:

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2 Request for Proposals Required Document Format  
Proposals should be on 8-1/2" x 11" (A4-sized) paper, ~~printed on both sides, bound with only removable clips or staples (no 3-ring binders) and divided into sections using tabs to easily identify and separate each section as follows:~~ and must be submitted electronically via e-mail. Proposals shall not exceed 10 pages, a one-page cover letter, resumes, Proposal Cost Form, Proposer Questionnaire, and Reference Questionnaire will not be counted toward the page limit. The proposal shall be divided into sections as follows:

4 SCOPE OF SERVICES

4.1 General

Awarded Contractor shall provide services, all as set forth in this RFP and more particularly described in this Section 4.

The City currently receives data from a permanent ADS flow, level and rainfall network. The data is accessible through wireless communication and includes alarming, reporting and data sharing through ADS FlowView/PRISM cloud-based data platform web-based software suite. The installed network consists of the following:

- ~~52~~ 53 Triton+ Intrinsically Safe (IS) area velocity flow monitors with CS4 sensors (ultrasonic depth, redundant pressure depth and Doppler velocity sensors)
- 5 ECHO level monitors
- 1 RainAlert III rain gauge
- ADS web-based FlowView/ADS Prism software

## Request for Proposal Addendum #1

### Sanitary Sewer Flow Monitoring

The 52 53 Triton+ area velocity flow monitors and 1 RainAlert III rain gauge are owned and maintained by the current Contractor, ADS. The 5 ECHO level monitors are owned and maintained by the City.

#### B. Response to Questions

- Can you please send a list of the meter sites with their corresponding pipe diameter?

**Response:** A list of sites is provided as part of Addendum 1, please refer to the table on the attached map.

- Are you requiring all new equipment?

**Response:** Yes, new intrinsically safe equipment will be required.

Please specify on all alternate equipment if it is intrinsically safe certified or not.

- Please provide a map of all sites along with pipe sizes.

**Response:** Map is provided as part of Addendum 1.

- Can a form be provided in conjunction with Appendix I that lists all items where costs should be provided to ensure that costs are based on the same items/assumptions?

**Response:** The City does not have a form or a set list of cost items.

- During the Pre-proposal conference call on Tuesday, November 18, the slide detailing the project scope called for fifty-three (53) flow monitors. The RFP document states there will be fifty-two (52) flow monitors. What is the accurate number of flow monitors for this project scope?

**Response:** The correct number of flow monitors is 53. The RFP document will be corrected in Addendum 1. There are 51 existing locations; within the next few weeks, two more monitors will be added for a total of 53. The locations of those two new monitors have not yet been determined; therefore, they are not reflected on the map.

- Would it be possible to get a copy of the attendee list that attended the mandatory pre-proposal meeting that was held for the Sanitary Flow Monitoring Request for Proposals # 274-SSFM-310-5210 on Tuesday?

**Response:** Attendee list is provided as part of Addendum 1.

- Regarding the subject project, can you provide the historical approximate uptime of the meters that are in place currently?

**Response:** The City declines to provide a specific historical uptime percentage at this time. Historical uptime has fluctuated over time and is influenced by several factors that are outside of the contractor's control, such as City requested removals or relocations to support CIP construction projects and other operational or maintenance activities. Isolating a representative performance metric from these operational anomalies would require significant manual review and reconciliation of the data, and a single raw figure would not reliably reflect contractor performance.

For purposes of your proposal, please refer instead to Section 4.5, which establishes the contractual performance expectation of a system wide uptime of at least 95 percent and describes the associated payment adjustments based on actual performance.

*Request for Proposal Addendum #1  
Sanitary Sewer Flow Monitoring*

- Is it possible to receive a copy of the Sewer Flow Monitoring pre-proposal meeting slides from 11/18?

**Response:** Pre-proposal Meeting slides are provided as part of Addendum 1.

- Can FL900 logger (FL901/FL902), US9001 and US9003 sensors AV9000 submerged sensor be recognized as equal.

**Response:** The equipment can be submitted as part of the proposal but, keep in mind they do not have Intrinsically Safe Certification. And this will be considered on the evaluation process; intrinsically safe equipment will be preferred.

C. The following hardware meets the minimum technical standards as an equal. Note that the contractor's proposed equipment and software will be evaluated holistically as part of the submittal review process.

- a. Flow monitors

**Duratrucker EX (intrinsically safe)**

- b. Level monitors

**TIENet 310 Ex Ultrasonic Level Sensor**

**TIENet 350 Ex Area Velocity Sensor**

- c. Rain gauges

**674 Rain Gauge**

D. The following software meets the minimum technical standards as an equal. Note that the contractor's proposed equipment and software will be evaluated holistically as part of the submittal review process.

**Infinitii FlowWorks**

See following pages for attachments

**- END OF ADDENDUM NO. 1 -**

**Attendee List RFP 274-SSFM-310-5210**

<b>Name</b>	<b>Email</b>
Alexander Justel	Raleigh Water
Mike Ping	Dukes
Brandon Sykes	Vision NC
David R Brown	McCrometer
Kiana Gleeton	Core & Main
Sheila Trisnojoyo	Unverified
Craig Watts	McKim & Creed
Mark Lambert	CHA
Danny Lee	Core & Main
Janeen Goodwin	Raleigh Water
John Cataldi	Core & Main
Patrick Wootton	ADS
Valerie Kielp	Dukes
Olivia Gawlak	ADS
Derek Holderman	McKim & Creed
Randy Draper	McCrometer

# Sanitary Sewer Flow Monitoring

## 274-SSFM-310-5210

### Raleigh Water



*This meeting will be recorded*

**November 18, 2025**



# Sanitary Sewer Flow Monitoring

*Primary Point of Contact:*

*Alexander Justel*

*Asset Management Engineer*

*[alexander.justel@raleighnc.gov](mailto:alexander.justel@raleighnc.gov)*

*(919) 996-3524*



# Sanitary Sewer Flow Monitoring

## *Timeline (EST)*

RFP Process	Date and Time
RFP Date	10-31-2025
Pre-Proposal Meeting (Mandatory)	11-18-2025 at 11:00 a.m.
Deadline for Written Questions	11-21-2025
City Response to Questions (anticipated)	12-01-2025
<b>Proposal Due Date and Time</b>	<b>12-09-2025 at 5:00 p.m.</b>



# Sanitary Sewer Flow Monitoring

Proposals must follow the format as defined in Section 2 (PROPOSALS), and be addressed and submitted as follows:

- Electronically submitted via **Email** to [alexander.justel@raleighnc.gov](mailto:alexander.justel@raleighnc.gov) On the Subject line include:
  - Name of the submitting company,
  - RFP number, and
  - The RFP Title.
- Attach one (1) signed original electronic version of the Proposal to the Email, must be in PDF format.
- The electronic submittal must be received by the City on or before the RFP date and time provided. Proposals received after the RFQ deadline above will not be considered and will be returned.



# Sanitary Sewer Flow Monitoring

## *Proposals:*

- *Shall not exceed 10 pages.*
- *A one-page cover letter, resumes, Proposal Cost Form, Proposer Questionnaire, and Reference Questionnaire will not be counted toward the page limit.*



# Sanitary Sewer Flow Monitoring

- *Appendix II must be completed*
- *Provide references for the three most similar projects*

*Please check sections:*

- *3.1 Proposal Evaluation Criteria (Stage 1)*
  - *This is not a Bid*
  - *There will not be a public opening*
  - *The proposals will be evaluated in accordance with the evaluation criteria contained in Section 3*



# Sanitary Sewer Flow Monitoring

## *Scope of Services:*

### *The installed network consists of the following:*

- *53 Triton+ Intrinsicly Safe (IS) area velocity flow monitors with CS4 sensors (ultrasonic depth, redundant pressure depth and Doppler velocity sensors)*
- *5 ECHO level monitors*
- *1 RainAlert III rain gauge*
- *ADS web-based FlowView/ADS Prism software*

*Refer to Section 4 of the RFP for a full scope of services.*

Site	Address
BARWELLNB	2517 Floyd Dr
BARWELLSB	2517 Floyd Dr
Big Branch	3233 Anderson Dr.
CR_440NB	727 Staley Ct.
CR_440SB	3682 Alleghany Dr
CR_72 INCH	2226 Capital Blvd
CR_ATLANTICNB	Beside Murray Supply on Atlantic
CR_ATLANTICSB_2	Atlantic Ave & Hodges ST
CR_CREEDMOORN B-2	Creedmoor Rd @ Crabtree Creek Bridge
CR_CREEDMOORSB -2	Near Crabtree Valley Mall
CR_NEWHOPENB-2	New Hope Rd @ HYW 64 Bypass
CR_NEWHOPESB-2	Intersection of New Hope @ HWY 64 Bypass
CrabtreN	1200 Old Ridge Rd
CrabtreS	1200 Old Ridge Rd
Garner18	2390 Aversborl Rd
Garner24	395 Thompson Rd
HARESNIPe	NorthWest of Glenwood Ave @ Morehead Ave intersection.
HARRISCREEK-3	3732 Old Country Lane
LittleCrk	Little Creek WWTP

MARSHR	Over Guard rail between 3210 & Yonkers Rd
MINEEAST	Behind 1432 Kershaw Dr
MINEWEST	Behind 1861 Generation Dr
NR_EAST540-2	In Easement South of Granite Ridge Rd
NR_WEST540	6710 Perry Creek Rd
NR_WWTPNB	Easement of NEUSE River
NR_WWTPSB	Easement of NEUSE River
PERRYCREEK	7499 Perry Creek Rd
PIGEONHOUSE	2226 Capital Blvd
RICHLAND_WF	2905 Northhop Ct
ROCKY BRANCH	1430 S. Wilmington St
SmithCrk	Smith Creek WWTP
UpPoplar	8831 Poole Rd
WALNUT	First dirt road when turning on Barwell off of Poole Rd
WendelFI	10408 Poole Rd. Wendell Falls Pump Station
WN_GARNERRDNB	Greenway Trail 1662 Garner Rd
WN_GARNERRDSB	Greenway Trail 1662 Garner Rd
WN_SOFTBALLNB-3	Walnut Creek Softball Complex 1201 Sunnybook Rd
WN_SOFTBALLSB-2	1313 Rushing Creek Pkwy
RG1	3324 Lake Woodard Rd



# Sanitary Sewer Flow Monitoring

## *Equipment specification*

- *New flow monitors that are provided as part of this contact shall be ADS Triton + or City approved equal. Monitors shall be equipped with ultrasonic depth, redundant pressure depth and Doppler velocity sensors.*
- *New level monitors that are provided as part of this contract shall be ADS ECHO or City approved equal.*
- *New rain gauges that are provided as part of this contract shall be ADS RainAlert III or City approved equal.*
- *If suggesting an alternate equipment, please request pre-approval prior to the end date of the RFP.*
- *Permanent power is not available at any of the flow monitoring sites. All of the sites transmit data wirelessly through cellular modems. The Contractor shall supply all hardware for each monitoring location.*





# Sanitary Sewer Flow Monitoring

*The Contractor shall provide a system-wide uptime of 95% or greater.*

*If system-wide uptime requirements are not met, the amount due the Contractor will be reduced. The payment due will be calculated monthly, based on verified performance (as reported by the Contractor). Payment would then be authorized as follows:*

<i>% of Monthly Uptime</i>	<i>% of Normal Monthly Amount Payable</i>
<i>&gt;= 95</i>	<i>100%</i>
<i>&lt;95 and &gt;= 90</i>	<i>90%</i>
<i>&lt;90 and &gt;= 80</i>	<i>75%</i>
<i>&lt;80 and &gt;= 70</i>	<i>50%</i>
<i>&lt;70 and &gt;= 60</i>	<i>25%</i>
<i>&lt;60</i>	<i>0%</i>

*For more information refer to Section 4.5 of the RFP document*



# Sanitary Sewer Flow Monitoring

*Questions:*

*All questions will be noted and answered through addendums.*