

# **Town of Summerville**

## **Pole Mounted Sewer / Storm Drain Inspection Camera**

### **Specifications**



Summerville Stormwater Department  
Final Bid Copy - A

Revised by Ryan Dews

# CALL FOR BID

Sealed bid proposals will be received by the Town of Summerville until 1:30 p.m. on Friday, May 7, 2021. Opening will be held in the 2<sup>nd</sup> floor training room at the Summerville Town Hall Annex, 200 S. Main Street, Summerville, SC 29483

Bids will be for the purpose of furnishing the Town of Summerville with one (1) pole mounted sewer/storm drain inspection camera system. A copy of the instructions to bidders and specifications can be down-loaded from the Town website at <http://www.summerville.sc.gov>.

The Town of Summerville reserves the right to reject any and all bids, to waive all formalities and to award the contract, as it appears to be in the best interest of the Town of Summerville. The right is also reserved to hold any and all bids for a period not exceeding sixty days (60) days from the opening thereof.

Questions concerning the equipment specifications may be directed to:

Krista Collins, Purchasing Agent, Town of Summerville  
[kcollins@summerville.sc.gov](mailto:kcollins@summerville.sc.gov)

All bids must be sealed and submitted to:

The Town of Summerville  
Attn: Krista Collins  
200 S. Main Street  
Summerville, SC 29483

**With the package marked as “Pole Mounted Storm Sewer Inspection Camera”**

## **Intent**

The intent of these specifications is to cover the requirements of a **Pole Mounted Storm Sewer Inspection Camera**.

The design of the unit shall incorporate the latest available technology and engineering capacities.

The unit will be capable of transmitting video wirelessly to a handheld tablet or smartphone.

The unit will need to be equipped with a telescoping pole and tripod for handsfree use.

The unit shall be new of current manufacture. No prototype, demo, used camera or equipment will be accepted.

The proposed unit bid must be a regularly manufactured unit with at least five (5) references available (please provide references with bid).

Each bidder must check either “Yes” or “No” for each section. If “Yes” is checked, bidder will be expected to supply exactly what is described. If “No” is checked, please provide a **detailed explanation of the deviation**, no matter how minor it may be. If the bidder fails to respond either “Yes” or “No”, the bid will be rejected for non-compliance.

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	COMPLY	
	Yes	No
<b>1. General Requirements</b>		
a. The proposed system must be a self-contained wireless zooming camera. Camera systems that require wired connections to controls/viewers shall be deemed unacceptable.		
b. The proposed system must be able to be operated by one person, requiring no entry into confined space areas.		
c. System shall be controlled by tablet or laptop app designed specifically for the system.		
d. No tools required for setting up or accessorizing the system.		
<b>2. Camera Head: Module &amp; Housing</b>		
a. The camera will produce a color video image and provide a minimum of 1280x720 (2.38 megapixel) video resolution.		
b. Camera construction shall include all solid-state circuitry designed to withstand shocks and vibrations		
c. The camera shall have a zoom feature of 30:1 optical and a digital zoom of 12 times for a total of 360:1 magnification.		
d. Camera shall have ability for auto and manual focus via control app..		
e. System illumination shall be halo-optic LED, dimmable for various pipe conditions.		

	COMPLY	
	Yes	No
f. The camera housing shall be made of lightweight aluminum for ease of operation.		
g. Camera shall have Schrader air valve for purge and pressurization of electronic components to prevent moisture ingress.		
h. Camera shall have pressure relief valve so system cannot be over-pressurized.		
i. Camera shall have ability to tilt via control app. minimum +10-degrees and -30-degrees from horizontal.		
j. Camera shall require no wired connections to operator controls or viewing devices.		
k. System shall have quick-connect camera head feature where camera head attaches mechanically to the pole via a single cam lock and collar. No tools required.		
l. Camera shall be supported in-pipe via integrated stand-off pole.		
m. Camera shall include two interchangeable battery packs and charging station.		
n. Camera and accessories shall be housed in a pelican style protective case.		
o. Camera head shall be capable of distance measurement using zoom and focus input		

	COMPLY	
	Yes	No
p. Camera shall be capable of distance laser measurement with optional laser device.		
<b>3. Controller (App., Menu System, Viewers)</b>		
a. Control app. shall be available for download to Android, iPad, and Windows devices.		
b. Control app. shall allow one device to control camera/recording functions and connection of multiple devices for viewing. All connections via wi-fi.		
c. The control app. shall include controls on screen for zoom, manual/auto focus, camera tilt, light intensity/dimming, recording video, capturing still images, and show/remove on-screen text.		
d. Control app. shall have indicators for battery charge level, zoom level, and light intensity level.		
e. Control app. shall include on-screen text displays, including date/time and two customizable lines of text.		
f. Control app. shall include ability to show GPS coordinates on screen (as determined by control tablet/hardware).		
g. Control app. shall include ability to power down camera when closing the app.		
h. Control app. shall be able to share inspections via WinCan Web with wireless download.		

	COMPLY	
	Yes	No
<b>4. System Hardware</b>		
a. Extendable pole with maximum 24' length and ability to add pole extensions.		
b. Pole shall be stabilized by included bipod for hands-free operation.		
c. Camera standoff pole shall include gas spring with reciprocating ratchet for ease of positioning camera in 6" to 48" pipes.		

A 30-day guarantee shall be submitted on the bidder's letterhead stating, "If the machine fails to perform under its intended use and fails to operate because of extended downtime and repairs, the Town may reject the proposed equipment within 30 days after delivery, for a full refund including freight." No exceptions to this requirement.  
 Delivery shall be included in the cost of the unit.

Tax will be included as a separate line item.

Training videotape shall be provided showing maintenance and operating procedures online or on DVD.

Complete Parts, Operating, and Service manuals for the unit shall be supplied in an online format and 1 set(s) of books at delivery. **No Exceptions**

The unit shall be delivered completely assembled, serviced, and ready to operate.

Dealer to state delivery date:

\_\_\_\_\_

\*\*\*No bid will be considered if left blank.\*\*\*

Bid submitted by: \_\_\_\_\_  
Name of company

\_\_\_\_\_

Street address

\_\_\_\_\_

City, state, zip

\_\_\_\_\_

Telephone number

\_\_\_\_\_

Authorized signature of bidder

\_\_\_\_\_

Printed name of above individual

\_\_\_\_\_

Date

\*\*\*No bid will be considered if not signed and dated.\*\*\*

**BID EVALUATION**

Bids will be evaluated using the following criteria:

- \* Cost of bid.
- \* Compliance with our specifications.
- \* Delivery Date.
- \* Operation and maintenance cost of equipment.
- \* Life cycle cost of equal equipment.
- \* Performance of equipment in actual operating conditions.
- \* Availability of parts and service.
- \* Prior experience with vendor/s and their product.

**INFORMATION**

Any questions concerning the above specifications contact:

Krista Collins, Purchasing Agent, Town of Summerville  
[kcollins@summervillesc.gov](mailto:kcollins@summervillesc.gov)