

REQUEST FOR PROPOSAL

SEWER CAMERA TOWN OF HUDSON, NH

Prepared for

Town of Hudson
Public Works Department
2 Constitution Drive
Hudson, NH 03051

November, 2023



Prepared by

Town of Hudson
Engineering & Highway Department
12 School Street
Hudson, NH 03051

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REQUEST FOR PROPOSAL

The Town of Hudson, New Hampshire wishes to engage the services of a qualified private firm to provide design and construction services of:

SEWER CAMERA EQUIPEMENT

An overview and detailed specifications are provided later in the Request for Proposal (RFP).

Proposals must be received no later than **10:00 AM on December 7, 2023** from interested firms, to be eligible for consideration by the Town. Proposal shall follow the format listed below and be on the forms provided as required. Each statement shall be submitted in a sealed envelope, which is clearly marked,

"SEWER CAMERA EQUIPMENT" HUDSON, NEW HAMPSHIRE

Requests may be issued only by the Public Works Director, or his designee, to authorized firms, and are not transferable unless authorized by the Public Works or his designee.

Complete copies of RFP are available from:

Mr. Jason Twardosky
Director of Public Works
Public Works Department
2 Constitution Drive
Hudson, NH 03051
jtwardosky@hudsonnh.gov

All proposals received will be considered confidential and not available for public review until after a vendor has been selected.

The Town reserves the right to reject any or all proposals or any part thereof, to waive any formality, informality, information or errors in the proposal, to accept the proposal considered to be in the best interest of the Town, or to purchase on the open market if it is considered in the best interest of the Town to do so. Failure to submit all information called for and/or submission of an unbalanced proposal are sufficient reasons to declare a proposal as non-responsive and subject to disqualification.

Proposals which do not incorporate our requested format for **SEWER CAMERA EQUIPMENT** will not be considered.

All proposals are advertised, at the Town's discretion, in various publications and are posted publicly as detailed below:

Name	Advertising Medium	Address	Phone/Fax	Email and Web Address
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Town Hall Hudson, NH	Post at Town Hall	12 School Street, Hudson NH 03051	603.886.6008 603.594.1142(fax)	edhima@hudsonnh.gov
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TOWN OF HUDSON, NEW HAMPSHIRE

Mr. Elvis Dhima, PE, Town Engineer

Date: _____

PROPOSAL DUE DATE/TIME: DECEMBER 7, 2023 NOT LATER THAN 10:00 AM AT THE TOWN HALL OFFICES, 12 SCHOOL STREET, HUDSON, NH.

MANDATORY PRE BID MEETING AT 2 CONSTITUTION DRIVE (DPW FACILITY) @ 10:00 AM , NOVEMBER 21, 2023.

ALL QUESTIONS DUE BY NOVEMBER 27, 2023 AT 10:00 AM.

PREPARATION OF PROPOSALS:

Proposals shall be submitted on the forms provided and must be signed by the Proposer or the Proposer’s authorized representative. The person signing the proposal shall initial any corrections to entries made on the proposal forms.

Proposers must quote on all items appearing on the proposal forms. Failure to quote on all items may disqualify the proposal.

Unless otherwise stated in the Request for Proposal (RFP), the Proposer agrees that the proposal shall be deemed open for acceptance for sixty (60) calendar days subsequent to submittal to the Town of Hudson or as modified by addendum.

Any questions or inquiries must be submitted in writing, and must be received by the Public Works Director, Jason Twardosky (jtwardosky@hudsonnh.gov) no later than date listed above. Any responses to questions, clarifications, or changes to the Request for Proposals will be provided to all Proposers that reach out. This document will also be posted as well on the Town website.

The Proposer shall not divulge, discuss or compare this proposal with other Proposers and shall not collude with any other Proposers or parties to a proposal whatever.

MANDATORY PRE-BID MEETING:

There will be a **mandatory pre bid** meeting at DPW facility at 2 Constitution Drive, Hudson NH, where all interested vendors shall bring in their demo truck/camera for presentation

purpose. Vendors that will not attend this meeting will automatically be disqualified from this bid.

SUBMISSION OF PROPOSALS:

Proposals must be submitted at the Clerk's Office, Town Hall Offices, 12 School Street, Hudson NH by 10:00 AM DECEMBER 7, 2023 as directed in the Request for Proposals, and on the forms provided unless otherwise specified. Proposals must be typewritten or printed in ink. Proposals must be mailed or delivered in person. Proposals that are faxed or e-mailed will not be accepted.

AMENDMENTS TO PROPOSALS

If this solicitation is amended, then all terms and conditions which are not modified remain unchanged.

Proposers shall acknowledge receipt of any amendment to this solicitation (1) by identifying the amendment number and date on the Proposal form, or by letter. Proposals which fail to acknowledge the Proposer's receipt of any amendment will result in the rejection of the Proposal if the amendment(s) contained information which substantively changed the municipality's requirements.

Amendments will be on file in the offices of the municipality and the Engineer at least 1 day before Proposal opening.

WITHDRAWAL OF PROPOSALS:

Proposals may be withdrawn by written notice, telegram (including mailgram) or facsimile machine transmission received at any time before the exact time set for opening of proposals; provided that written confirmation of telegraphic or facsimile withdrawals over the signature of the proposer is mailed and postmarked prior to the specified proposal opening time. A proposal may be withdrawn in person by a proposer or its authorized representative if, before the exact time set for opening of proposals, the identity of the person requesting withdrawal is established and the person signs a receipt for the proposal. Negligence on the part of the Proposer in preparing this proposal shall not constitute a right to withdraw a proposal subsequent to the proposal opening. Proposals may not be withdrawn for the period as indicated in this Request for Proposals or as modified by addenda.

RECEIPT AND OPENING OF PROPOSALS:

Proposals shall be submitted prior to the time fixed in the Request for Proposals. Proposals received after the time so indicated shall be returned unopened.

All qualified Bidders will receive consideration without regard to race, color, religion, creed, age, sex, or national origin.

PROPOSAL RESULTS:

All proposals received shall be considered confidential and not available for public review until after a contractor has been selected. All proposals may be subject to negotiations prior to the award of a contract.

NO TELEPHONE REQUESTS FOR RESULTS WILL BE ACCEPTED OR GIVEN.

TIE PROPOSALS:

When identical Proposals are received, with respect to price, delivery, financial resources, experience, ability to perform and quality, award may be made by a toss of a coin.

LIMITATIONS:

This Request for Proposal (RFP) does not commit the Town to award a contract, to pay any costs incurred in the preparation of a response to this request, or to procure or contract for services, supplies or equipment. The Town reserves the right to accept or reject any or all proposals received as a result of this request, or to cancel in part or in its entirety this RFP, if it is in the best interest of the Town to do so.

The OWNER reserves the right to waive any informalities, to negotiate with any Bidder and to reject any or all Bids. No Bidder may withdraw his Bid within ninety (90) days after the actual date of the opening thereof.

PROPOSAL EVALUATION:

In an attempt to determine if a Proposer is responsible, the Town, at its discretion, may obtain technical support from outside sources. Each Proposer will agree to fully cooperate with the personnel of such organizations.

PROJECT BACKGROUND

Hudson Public Works Department is looking for equipment that can be utilized to inspect sewer laterals. At this time we do not have such capability.

Currently the Town owns their own equipment that is in need of replacement

SCOPE OF SERVICES

Town of Hudson Public Works Departments are soliciting Vendors for

SEWER CAMERA

The PROPOSAL will include the following:

- Type of camera
- Brand

- Warranty
- Provide specifications about camera and truck
- Training
- Support
- Software
- Box truck

**All prices include will equipment and training related to the camera.
All vendors will be required to deliver within 7 months from signing the contract**

BUDGET

The budget is \$315,000

TERM OF CONTRACT

The delivery shall be completed within 9 months of signing the contract.

PROPOSAL STATEMENT PREPARATION

In order to facilitate the evaluation of the Proposals, the Proposer is instructed to follow the outline below in responding. Proposals that do not follow the outline, or do not contain the required information may be considered as unresponsive Proposals. Additional or more detailed information may be annexed to the main body of the Proposal. Proposals shall be submitted in **one (1) original and one (1) identical copy**.

1. Company or Vendor Team Background Material

The Proposer shall provide information concerning the background of the firm including a brief description of the firm's experience providing similar equipment.

2. Experience/References

The Proposer shall provide a Client reference list, with names, addresses, and telephone numbers, especially for clients whom the Proposer has provided similar services in the past. References shall include a brief description of the project and the services provided.

3. Cost Proposal

The cost proposal shall be based on equipment and training associated with it.

AWARD OF CONTRACT:

Any contract entered into by the Town shall be in response to the proposal and subsequent discussions. It is the policy of the Town that contracts be awarded, among other considerations, only to responsive and responsible Proposers. In order to qualify as

responsive and responsible, a prospective Vendor must meet the following standards as they relate to this request:

- Have the necessary experience, organization, technical and professional qualifications, skills and equipment;
- Be able to comply with the proposed or required time of completion or performance schedule;
- Have a demonstrated satisfactory record of performance.
- Adhere to the specifications of this proposal and provide all documentation required of this proposal

The Town reserves the right to reject any or all proposals or any part thereof, to waive any formality, informality, information and/or errors in the proposal, to accept any proposal in part or in whole as may be in the best interest of the Town, or any other option if it is considered in the best interest of the Town to do so.

CONTRACT AWARD PROTEST POLICY AND PROCEDURE:

- a. Definitions. As used in this provision:
“Interested party” means an actual or prospective bidder whose direct economic interest would be affected by the award of the contract.

“Protest” means a written objection by an interested party to this solicitation or to a proposed or actual award of a contract pursuant to this solicitation.
- b. Protests shall be served on the Contracting Officer by obtaining written and dated acknowledgement from:

Steve Malizia, Town Administrator
Town of Hudson
12 School Street
Hudson, NH 03051

- c. All protests shall be resolved in accordance with the municipality’s protest policy and procedures, copies of which are maintained at the municipality.

MODIFICATIONS AFTER AWARD:

The Contract shall constitute the entire understanding between the parties, and it shall not be considered modified, altered, changed, or amended in any respect unless in writing and signed by the parties hereto. Such modification shall be in the form of a contract amendment executed by both parties.

CANCELLATION OF AWARD:

The Town reserves the right to cancel the award without liability to the Proposer at any time before a contract has been fully executed by all parties and is approved by the Town.

CONTRACT:

Any Contract between the Town and the Contractor shall consist of (1) the Request for Proposal (RFQ) and any amendments thereto and (2) the Contractor's proposal in response to the RFQ, (3) Form of Agreement. In the event of a conflict in language between documents (1), (2), and (3) referenced above, the provisions and requirements set forth and referenced in the RFB shall govern. However, the Town reserves the right to clarify any contractual relationship in writing and such written clarification shall govern in case of conflict. In all other matters, not affected by written clarification, if any, the RFQ shall govern. The Proposer is cautioned that this proposal shall be subject to acceptance without further clarification.

EXECUTION OF CONTRACT:

The successful Proposer shall sign (execute) the contract documents and shall satisfy all conditions set forth in the contract to enter into the contract and return such signed documents to the Town, within ten (10) calendar days from the date mailed or otherwise delivered to the successful Proposer.

APPROVAL OF CONTRACT:

Upon receipt of the contract that has been fully executed by the successful Proposer, the Town shall complete the execution of the contract in accordance with local laws or ordinances and return the fully executed contract to the Contractor. Delivery of the fully executed contract, along with a Notice to Proceed and a Town purchase order, to the Contractor shall constitute the Town's approval of the contract with the Contractor.

FAILURE TO EXECUTE CONTRACT:

Failure of the successful Proposer to execute the contract within ten (10) calendar days from the date mailed or otherwise delivered to the successful Proposer shall be just cause for cancellation of the award.

DISQUALIFICATION:

Awards will not be made to any person, firm and/or corporation that has defaulted upon a contract with the Town, the State of New Hampshire or the Federal Government within the past 5 years. Awards will not be made to any principal owner or officers that have a 10% or greater interest in a firm or corporation that has defaulted upon a contract with the Town, the State of New Hampshire or the Federal Government within the past 5 years. Corporations must currently be in good standing with the Secretary of State's Office in the state of incorporation.

DISAGREEMENTS AND DISPUTES:

All disagreements and disputes, if any, arising under the terms of any contract, either by law, in equity, or by arbitration, shall be resolved pursuant to the laws and procedures of the State of New Hampshire, in which state any contract shall be deemed to have been executed. No action at law, or equity, or by arbitration shall be commenced to resolve any disagreements or disputes under the terms of any contract, in any jurisdiction whatsoever other than the State of New Hampshire and Hillsborough County.

TERMINATION OF CONTACT FOR CAUSE:

If the Contractor shall violate any provision of the Contract, the Town shall have the right to terminate the Contract. To terminate the Contract, the Town shall provide written notice to the Contractor of such termination. Such written notice shall state the Contract violation(s) and be delivered to the Contractor's address as identified in the Contract Documents. This notice shall provide the Contractor with fifteen (15) calendar days from the date of delivery, to correct the violation(s) to the Town's satisfaction. Should the Contractor fail to satisfactorily correct all violations within (15) fifteen calendar days, the Town may terminate the contract immediately upon delivery of a Notice of Termination to the Contractor. Such termination shall become effective immediately or as otherwise determined by the Town. Upon termination, all finished or unfinished work, services, plans, data programs and reports prepared by the Contractor under the Contract shall become the Town's property. The Town may also terminate this Contract in accordance with any other applicable Contract provision.

Notwithstanding the above, the Contractor shall not be relieved of liability to the Town for damages sustained by the Town by virtue of any breach of any contract, and the Town may withhold any payments until such time as the exact amount of damages due the Town is determined.

TERMINATION FOR THE CONVENIENCE OF THE TOWN:

The Town may terminate any contract at any time by giving written notice to the Vendor of such termination and specifying the effective date thereof, at least fifteen (15) days before the effective date of such termination.

In that event, all finished or unfinished work, services, documents and materials shall become the Town's property. If any Contract is terminated by the Town as provided herein, the Vendor will be paid an amount which bears the same ratio to the total compensation as the services covered by any contract, less payments of compensation previously made.

PATENT PROTECTION:

The successful Proposer agrees to indemnify and defend the Town of Hudson from all claims and losses resulting from alleged and actual patent infringements and further agrees to hold the Town of Hudson harmless from any liability arising under RSA 382-A, 2-312 (3). (Uniform Commercial Code).

ASSIGNMENT PROVISION:

The successful Proposer hereby agrees that it will assign to the Town of Hudson all cause of action that it may acquire under the anti-trust laws of New Hampshire and the United States as the result of conspiracies, combination of contracts in restraint of trade which affect the price of goods or services obtained by the Town under this contract if so requested by the Town of Hudson.

PAYMENT:

Payment will be made within thirty (30) days of the completion of the work based upon the payment schedule listed in the Form of Agreement after receipt of invoice by the Town.

TAX:

The Town is exempt from all sales and Federal excise taxes. The Town's tax exemption certificate will be provided to the successful Contractor upon request. Please bill less these taxes.

FUNDING OUT:

The Town of Hudson's obligations to pay any amount due under a contract are contingent upon availability and continuation of funds for the purpose. The Town may terminate the contract at any time, due to the non-appropriation of funds, and all payment obligations of the Town cease on the date of termination.

ASSIGNMENT OR SUB-CONTRACTING:

None of the work or services covered by the contract shall be assigned in full or in part, or sub-contracted without the prior approval of the Town.

PRICING:

Unless otherwise specified all prices listed are firm for the term of the contract. All prices should include all labor, material and transportation costs, and any discounts offered. No fuel surcharges shall be allowed at any time.

AUDIT:

For a period of at least three (3) years after completion of any contract, it is the responsibility of the Contractor to make available at the Contractor's place of business, upon demand, all price lists, documents, financial records and other records pertaining to purchases made and /or work performed under contract for the purposes of audit by the Town of Hudson.

INSPECTION & EVALUATION:

The Town of Hudson reserves the right to inspect the Contractor's facilities during operating hours to determine that the level of inventory is adequate for the Town's needs. The conditions and operations of the facility shall be taken into consideration in making the award of this contract.

GUARANTEES & WARRANTY:

All parts and labor related to contracts must be guaranteed and include a 12 month warranty from the date of acceptance by the Town. If any work is unable to be guaranteed, the contractor must inform the Town, in writing, prior to the delivery of an item or any work being performed. Non-guaranteed work must be offered at a discount rate from the proposal prices. **Inspection, testing and final determination of non-warranty work shall be performed at no cost to the Town.**

FORCE MAJEURE:

Neither party shall be liable for any inability to perform its' obligations under any subsequent contract due to war, riot, insurrection, civil commotion, fire, flood, earthquake, storm or other act of God.

SEVERABILITY:

If any of this Request for Proposals or subsequent contract are held to be invalid or unenforceable, it will be construed to have the broadest interpretation which would make it valid and enforceable under such holding. Invalidity or the inability to enforce a term or condition will not affect any of the other this Request for Proposals or subsequent contract.

PROVISION REQUIRED BY LAW DEEM INSERTED

Each and every provision and clause required by law to be inserted in this Request for Proposals and any subsequent Contract shall be deemed to be inserted herein and this Request for Proposals and Contract shall be read and enforced as though it were included herein, and if through mistake or otherwise any such provision is not inserted, or is not correctly inserted, then upon the application of either party, the Request for Proposals and/or Contract shall forthwith be physically amended to make such insertion or correction.

DISADVANTAGED BUSINESS ENTERPRISES

The Town hereby notifies all Contractors that it will affirmatively insure that in any contract entered into pursuant to this Request for Proposals, disadvantaged business enterprises will be afforded full opportunity to submit proposals in response to this request and will not be discriminated against on the grounds of race, color, national origin, religion, sex, age or disability in consideration for an award.

NON-DISCRIMINATION

Contracts for work resulting from this Request for Proposals shall obligate the Contractor and the Contractor's subcontractors not to discriminate in employment practices on the grounds of race, color, national origin, religion, sex, age or disability. Statements as to non-discriminatory practices may be requested from the successful Vendor(s).

DEFINITIONS:

Proposal shall also mean quotation, bid, and offer and qualification/experience statement.

Vendors shall also mean Proposers, bidders, contractors or any person or firm responding to a Request for Proposals.

Contract shall also mean agreement.

GOVERNING LAW:

The Laws of the State of New Hampshire shall govern all contracts entered into by the Town of Hudson. Any disputes shall be resolved within the venue of the State of New Hampshire and Hillsborough County.

FAILURE TO ACKNOWLEDGE THIS REQUEST FOR PROPOSALS MAY RESULT IN WITHDRAWAL FROM THE PROPOSAL LIST FOR THIS COMMODITY OR SERVICE.

FAILURE TO COMPLY WITH THESE REQUIREMENTS COULD RESULT IN THE CANCELLATION OF AN ORDER OR CONTRACT.

PROPOSAL SUBMISSION CHECKLIST

In order to be considered responsive, each prospective vendor must submit the following documents, in **one (1) original and one (1) identical copy** as part of its proposal:

1. Proposal Document as outlined above
2. Specifications Exception Form
3. Alternate Form W-9
4. Town of Hudson Indemnification Agreement

GENERAL REQUIREMENTS / EQUIPEMENT SPECIFICATIONS OR EQUAL

Manufacturer and Distributor

2 Days of training at customer's site with purchase.
Free technical training at company headquarters at any time
Equipment to be delivered within 210 calendar days after issuance of PO
All the equipment shall be manufactured ISO9001 verified facility.
10 year parts guarantee
Online video resources for repair and maintenance
Manufacturer must have sold over 20 similar systems within the past 2 years.
Distributor must have been representing the manufacturer for over 5 years

Truck Mounted Sewer Camera Inspection System

Anti-Tilt Compensation

This feature not only detects when your tractor is not riding in the bottom of the pipe, and automatically corrects it for you keeping the camera tractor in the ideal position and protecting it from rolling over.

Auto Upright

The Camera's come with an auto-up righting or self-leveling feature standard allowing the operator to focus on the pipe and not constantly adjusting equipment, improving the overall inspection.

Air charged is preferred

The system is charged with air (no nitrogen or Co2)

Built in safety with Air Pressure detection

If the system is low on air it automatically alerts the operator with a visible alert at the controller and an audible tone. This feature also will shut the lights off on the tractor to discourage using the system when there is the potential of moisture ingress.

Truly Synchronized Reel

The reel detects the slack in the line and will retract the slack before allowing the tractor to back up, assuring the tractor will not back over the cable.

This also synchronizes a lateral launching systems and mainline system together, ensuring both cables come back at the same time with no additional slack or tension.

HD CAMERAS

Pan, Tilt and Zoom Camera (Color) (Zoom)

Camera must have minimum native resolution 1080P horizontal lines of resolution. Enhanced or lower resolution cameras will not be accepted.

Camera must have pan, tilt and zoom function with motorized controls to allow the operator to change the viewing angle and camera zoom from the camera controller.

Camera total diameter not to exceed 2.5 inches

Camera total length is not to exceed 4 inches

Camera must be able to operate in a minimum 4" diameter pipeline.

Camera must weigh less than 1.5 lbs.

Camera housing must be cylindrical in design with long radius edges and no protruding surfaces to catch on during operations.
Camera must be able to be attached to multiple tractors without the need for adaptors or additional components to facilitate fitment.

Camera must be able to be attached to a push rod for lateral inspection operation including both lateral launch and hand push reel
Camera shall have remote focus controls that can be changed from the camera controller.

Camera CCD imaging chip must have a minimum of 380,000 pixels
Camera aperture angle / FOV shall be no less than 150 degrees diagonal
Camera photosensitivity shall be no more than 0.05 lux. Cameras that have a higher LUX may will not be deemed acceptable.

Camera resolution shall be no less than 570 TVL of horizontal resolution.
Systems that have resolution lower than 570 horizontal lines of resolution may be deemed unacceptable due to low resolution video.

Camera shall have a digital 16x digital zoom for looking up into laterals and focusing on more distant objects within the pipeline.

Camera shall have automatic iris that adjusts light sensitivity based on pipeline conditions and be able to manually set the iris level via a joystick.

The camera housing must be pressurized to a minimum of 1 bar to avoid water ingress that could cause damage.

A low-pressure situation will alert the operator with both an audible tone and text message on the camera controller's diagnostic display.

Camera pressurized with dry air will be the preference due to maintenance and service

Camera shall have built-in a minimum of 4 groups of 10 white LED lights to illuminate the interior of the pipeline. Light groups must be connected in parallel so that the failure of 1 LED does not affect other LEDs

Camera must have an integrated single laser that allows for measurement with use 3rd party software.

Measurement capabilities to include all of the following:

Inside Diameter

Ovality or Deformation percentage

Defect – All objects on pipe surface including joint gap

Object – Objects that take up 3D space in the pipeline

Protruding taps, Debris, Roots etc....

All fasteners used on the camera must be recessed so that no protruding fasteners to catch during operations.

Camera must have a built-in radio sonde transmitter operating at 32.8 kHz. The transmitter shall be able to be powered off or on remotely without interrupting the camera operation.

Camera must have 360 degrees of continuous rotation.

Camera rotation must be on the horizontal axis of the main connector with a slinging through the geometric center of the camera to reduce unnecessary strain on moving parts and connectors during operation.

Camera rotation must be controllable must be variable based on operator input.

Camera must have 240 degrees of total pan with no less than 300 degrees angle of view

Camera shall have a zero (home) position where the camera views straight ahead and the upright picture control automatically enables

Camera must display viewing direction on screen while operating. The display shall appear as a clock allowing the operator to clearly and quickly indicate viewing direction.

Camera must have auto upright picture control to ensure video image is automatically and correctly displayed on the monitor with the top of the pipe always at the top of the video monitor screen

Camera housing must be constructed of hard-anodized high strength aluminum with a documented testing of shock resistance of 1 kg / height of fall 27.5”.

Camera light housing must be constructed of high strength polycarbonate with a documented testing of shock resistance of 1 kg / height of fall 15.75”

Camera lens protective front window shall be constructed of a special glass with a documented testing of shock resistance of 1 kg / height of fall 15.75”

Camera protection class shall meet a minimum of an IP68 to IEC 529 rating

All electronic PCBs shall be connected to one another without the need of soldering for ease of service and repair. Any camera with PCB's that require soldering will be deemed unacceptable.

A tool and spares kit, and storage transport case must be provided.

Pan & Tilt Zoom High Definition Camera (Color) (HD)

Camera must have minimum native resolution 1080P horizontal lines of resolution

Camera must have pan & tilt function with motorized controls to allow the operator to change the viewing angle from the camera controller.

Camera must have a 120x zoom comprised of a 10x optical and 12x digital zoom.

Camera shall have automatic focus that will focus to the pipe will without user intervention. The focus must also have remote focus controls that can be changed from the camera controller.

Camera shall have automatic iris and manual iris that adjust light sensitivity based on pipeline conditions.

The camera must be pressurized with dry air supplied by a supplied pressure test set/air pump. (see attached specification for Pressure Test Set/Air Pump)

Camera shall have built-in a minimum 12 high intensity white LED lights to illuminate the interior of the pipeline up to a minimum of 120” in diameter.

Camera shall have 6 high intensity white LEDs that can be independently controlled and specifically designed to illuminate the space between joints in pipeline segments.

The camera lens assembly must be designed and built in a manner to eliminate all blossoming of video image from reflections and mirrored light.

Camera must have always-upright picture that will automatically rotate the imaging chip while panning and tilting to ensure the image is always upright. Example: When panned to 90 degrees and looking directly parallel to the pipe wall, the camera must

have an upright picture when viewing the pipe wall from 7 o'clock to 12 o'clock and also while viewing 1 o'clock to 6 o'clock.

Camera CCD imaging chip must have a minimum of 2,073,600 pixels

Camera aperture angle / FOV shall be no more than 58 degrees diagonal on the wide view and no more than 6.5 degrees diagonal on the telephoto view.

Camera photosensitivity shall be no more than 1.0 lux

Camera resolution shall be no less than 1920 TVL of horizontal resolution and 1080 horizontal

Camera must have 360 degrees of continuous rotation.

Camera rotation must be on the horizontal axis of the main connector with a slip ring through the geometric center of the camera to reduce unnecessary strain on moving parts and connectors during operation.

Camera must have 240 degrees of total pan

Camera rotation and tilting must be controllable with varying speeds to aid in camera alignment while camera optics is zoomed. Pan and/or rotation speed shall increase as more force is applied to the control joystick.

Camera must have automatic joint panning operated from a single button press

Camera must have pre-programmed panning positions at multiple clock positions for simple quick operation.

Camera lens window must be a minimum of 1.25" in diameter to allow maximum lighting through the lens to the imaging chip.

Camera must have removable side covers to allow ease of maintenance and repairs.

The side covers shall have o-ring sealing and be fixed with a minimum of 8 fasteners per side.

Camera must be able to operate in a minimum 6" diameter pipeline and be no longer than 8" in overall

Camera shall have a zero (home) position where the camera views straight ahead and the upright picture control automatically enables.

Camera housing must be cylindrical in design with long radius edges and no protruding surfaces to catch on during operations.

All fasteners used on the camera must be recessed so that there are no protruding fasteners to catch during operations

Camera must provide a clock position graphical overlay on screen to provide information on viewing angle.

Camera must have a pipe size overlay to measure pipe diameter sizes.

Camera connection must be no greater than .650 inches in diameter.

Camera housing must be constructed of hard-anodized high strength aluminum with a documented testing of shock resistance of 1 kg / height of fall 27.5".

Camera light housing must be constructed of high strength polycarbonate with a documented testing of shock resistance of 1 kg / height of fall 15.75"

Camera lens protective front window shall be constructed of a special glass with a documented testing of shock resistance of 1 kg / height of fall 15.75"

Camera protection class shall meet a minimum of an IP68 to IEC 529 rating

All electronic PCBs shall be connected to one another without the need of soldering for ease of service and repair. Any camera with PCB's that require soldering will be deemed unacceptable.

A tool and spares kit, protective connector cap, and watertight plastic storage transport case must be provided.

TRACTOR

High Definition Robotic Tractor (Medium) (HD)

Tractor must be able to operate in a minimum 6" diameter pipeline with enough clearance to negotiate offsets and debris.

Tractor shall be designed utilizing wheels / tires as its mode of propulsion. Tracked crawlers or other modes of propulsion shall be deemed unacceptable.

Tractor must be four (4) wheel drive

Tractor must be steerable with each side able to be independently operated to provide skid-steer style of turning. Tractor must have two internal motors for this operation.

Tractor must be no longer than 24 inches in length.

Tractor must weigh a minimum of 40 pounds without any wheels attached.

Heavier weight allows the tractor to pull cable much farther.

Tractor must have a dual swivel cable connector, allowing both X & Y axis to pivot.

This eliminates bending and breakage of the cable at that point.

Tractor must have continuously adjustable speed with speed set.

Tractor shall have a front moveable camera connector, referred to as a base module, which will fold upwards to assist during insertion in confined areas.

The base module must be removable through utilization of a recessed connector.

Tractor must have the ability to remove the base module and have the ability to add a lateral launching module to convert the tractor to a fully operational lateral launch robot.

Tractor must have anti tilt compensation that will automatically steer the tractor so that it does not ride up on the pipe wall and capsize. The anti-tilt compensation shall maintain the tractor in a level plane within the pipeline during operation.

The tractor housing must be pressurized to a minimum of 1 bar to avoid water egress from damage. A low-pressure situation will alert the operator with an audible tone and text message on the camera controller's diagnostic display.

Tractor body must be manufactured from solid brass for weight and coated with a chrome finish to resist tarnishing and facilitate cleaning.

All fasteners must be manufactured from a non-corrosive material such as stainless steel or aluminum.

Tractor must have a remotely operated motorized camera-elevating device that allows the camera to be raised and lowered inside of pipeline during operation.

Motorized camera elevator must be able to raise the camera vertically a minimum of 8.25"

Motorized camera elevator must have the ability to display the height of operation in percentage on the main control panel.

Motorized camera elevator must be pressurized to a minimum of 1 bar to avoid water egress from damage. A low-pressure situation will alert the operator with both an audible tone and text message on the controller's diagnostic display.

Tractor must have the ability to be operated without the use of a motorized camera-elevating device for smaller diameter pipelines. Protective caps and all hardware must be supplied for this mode of operation.

Tractor must have a milled sloped hook system with a lowering claw to quickly and efficiently insert and extract the tractor from manholes.

Tractor must have ability to accept and function with High Definition Camera

All fasteners used on the tractor must be recessed so that no protruding fasteners catch during operations

All electronic PCBs shall be connected to one another without the need of soldering for ease of service and repair.

All electronic PCBs must be located in a single location on the tractor with a single access cover, o-ring sealed, and secured with a minimum of 6 fasteners for protection and ease of service and repair.

All gearing and motors must be accessible from a single location on the tractor with a single access cover, o-ring sealed, and secured with a minimum of 8 fasteners for protection and ease of service and repair.

The tractor has the capacity to be outfitted with an inclinometer module to monitor and log the pitch and roll of the tractor in the pipeline.

The tractor shall include wheel sets for 6", 8", and 10" diameter pipe.

Tractor protection class shall meet a minimum of an IP68 to IEC 529 rating

A tool and spares kit must be provided for maintenance of the tractor.

TRACTOR ACCESSORIES

Tractor Tungsten Carbide Wheel Set for 6"

High-Traction Tungsten Carbide Wheels for 6" and up.

Wheel set must utilize brass construction impregnated with tungsten carbide.

Must be same size and dimension of standard wheel sets.

All wheel sets must come with all fasteners needed to be utilized with supplied tractor.

Tractor Tungsten Carbide Wheel Set for 8"

High-Traction Tungsten Carbide Wheels for 8" and up.

Wheel set must utilize brass construction impregnated with tungsten carbide.

Must be same size and dimension of standard wheel sets.

All wheel sets must come with all fasteners needed to be utilized with supplied tractor

Treaded Wheel Set for 8"

Treaded Wheel set for 8" pipe (soft rubber). Aids in climbing over rocks, debris and offset joints

Wheels must be profiled to maximize pipeline contact area.

Wheel set shall be able to be installed with minimum amount of screws

All wheel sets must come with all fasteners needed to be utilized with supplied tractor

Small Pneumatic Tires

Pneumatic tires for use in 12" and larger pipelines. Turf Tire that doesn't dig into debris and silt

Tire must utilize field replaceable inner tube

Hub assembly must be made of brass with a chrome coating to add additional weight to aid in the higher flow situations

Wheels must attach to the tractor hubs with minimum number of fasteners

Must be able to be utilize in conjunction with brass axle extenders to aid in facilitating centering in larger pipe sizes.

Large Pneumatic Tires

Pneumatic tires for use in 18" and larger pipelines. Turf style tire that doesn't dig into debris and silt.

Tire must utilize field replaceable inner tube

Hub assembly must be made of brass with a chrome coating to add additional weight to aid in the higher flow situations

Wheels must attach to the tractor hubs with minimum number of fasteners

Must be able to be utilize in conjunction with brass axle extenders to aid in facilitating centering in larger pipe sizes.

Extra Large Pneumatic Tires

Pneumatic tires for use in 24" and larger pipelines. Turf style tire that does not dig into debris and silt.

Tire must utilize field replaceable inner tube

Hub assembly must be made of brass with a chrome coating to add additional weight to aid in the higher flow situations

Wheels must attach to the tractor hubs with minimum number of fasteners

Must be able to be utilize in conjunction with brass axle extenders to aid in facilitating centering in larger pipe sizes.

COMPUTER SYSTEM

19" Industrial PC Package including computer

Rugged Intel Based Motherboard

Includes on-board RS-232 Port

Includes on-board 2 DVI video outputs

Includes minimum of 2 full size PCI expansion slots

Intel Quad Core Processor > 3GHz

4 GB RAM Minimum

1 TB Hard Drive for Applications

1 TB Hard Drive for data

500GB Portable USB Hard Drive

DVD-R/CD-RW drive

Washable Anti-Microbial Keyboard
Washable keyboard offering antimicrobial protection
Treated antimicrobial coating provides added defense against the growth of mold, mildew, and fungi
Anti-Microbial Mouse
Antimicrobial protection of the mouse surface
Dishwasher Safe
Rugged industrial grade rack mount enclosure
Includes shock mounted hard drive carriage
Includes minimum of 2 front mounted USB ports
Windows 10 Professional 32/64-bit dual operating system
Professional Grade 17" Monitor
High 1280 x 1024 SXGA resolution or similar
Optical Glass Protective Cover over LCD Screen
Anti-Burn-in technology
Versatile connectivity (BNC in/out x2, S-Video, VGA, DVI, Audio in/out)
Selectable aspect ratio for ultimate image: Native, Overscan, Underscan
Input Signal VGA, DVI, CVBS, S-Video

CONTROLLER

BS10X Controller

Power Supply / Controller (BS 10X)

Power supply controller must be able to operate both digital scanners and analog CCTV inspection equipment.

Power supply controller must have removable power supply card situated on a bus to easy diagnostics or replacement without removal from the rack.

Power supply controller shall be rack mount design with remote control station and keyboard handling camera power and controls, tractor power and controls, text generation, diagnostics, and cable winch controls. Camera systems that require more than one mounted component will be deemed unacceptable.

Remote Control Station must have a minimum 10" diagonal, full-color adaptive touch screen for selecting options and controlling system functions.

Remote Control Station shall give a diagnostic readout of component pressure and issue an audible warning when pressure is low.

Remote Control Station shall display the current draw of both the lightheads and each motor in the tractor by view of a bar graph representing percentage.

Remote Control Station shall allow for adjustment of brightness / intensity of both auxiliary light rings and camera lights, as well as be able to switch off individual light banks on the auxiliary lighthead.

Power supply controller must have a graphic-oriented on-screen display generator to allow the operator to:

Type on-screen text

Display distance counter

Tractor inclination

Display date and time

Display camera viewing angle

Display tractor speed in numeric value or in a graphic with color indicators of Green, Yellow and Red keeping the operator within correct speed limits.

Each of the OSD (On Screen Display) objects shall be positioned to any portion of the viewing screen based on systems owner's requirements.

Systems that do not allow for all OSD items to be displayed or repositioned shall be deemed unacceptable

On-screen text must have a minimum of 16 lines of text with a minimum of 53 characters per line.

The controller must be capable accepting inputs for a minimum of 2 distance counters and switchable between meters and feet.

The controller must be able to delete all text from the screen with the press of a single key.

The power supply controller shall allow for a minimum of 10 color variations of overlay text to contrast on different backgrounds.

The on-screen text generator must have a header field that will continuously display text at the desired location.

The power supply controller shall allow the user to position each system field anywhere on the visible screen to prevent obstruction of view.

The power supply controller must automatically identify which camera, tractor, and cable winch is connected to the system.

The power supply controller must have a minimum of 4 video output, 1 composite video input

The power supply controller shall be able to operate:

Minimum of 10 different cameras

Small medium & large tractors

Lateral launch systems

PANORAMO mainline scanner or EQUAL

PANORAMO SI manhole scanner or EQUAL

Should an upgrade be desired in the future, systems should not require additional controller modules to allow for additional or enhanced inspection capabilities.

Tractor functions shall be operated from a single joystick.

Tractor speed

Speed set

Direction

Steering

All to be operated from a multi-axis, multi-function joystick to be mounted in the desktop area.

Forward and reverse must be controlled by an up or down motion

Drift or incremental steering by side-to-side motion

Skid steering via rotation of the joystick.

In addition, two function buttons must be supplied on the top of the joystick, one to set the speed and stop the tractor, the other to switch between cameras on a lateral launch.

Camera functions shall be operated from a single joystick.

Camera pan & tilt operations

Auto-home

Iris, and focus

All to be operated from a multi-axis, multi-function joystick to be mounted in the desktop area.

Camera rotation must be controlled by side-to-side movement of the joystick

Tilting by up and down movement of the joystick

Focus and iris controlled by rotation of the joystick.

In addition, two function buttons must be supplied on the top of the joystick, one to return the camera to the home position, the other to switch between iris controls.

Joystick functions should automatically change based on power supply controller's recognition of the attached tractor or camera.

Joystick must have proportionate directional controls so that the speed of the tractor varies by the percentage from home to max.

Power supply controller must have the capability to switch between right hand and left-hand joystick configurations.

Power supply controller must have a 360 degree joint inspection function that will automatically turn the camera to an upright position and then slowly scan 360 degrees.

Remote Control Station must allow the operator the ability to electronically and remotely switch the radio sonde transmitter in the camera head off and on.

Remote Control Station must allow the operator the ability to electronically and remotely switch off and on the upright picture control of the camera head.

When used with corresponding equipment, the power Remote Control Station must allow the operator the ability to electronically and remotely switch off and on the laser diodes, auto-focus, and control the zoom of the camera head.

The Remote-Control Station must allow the operator the ability to electronically and remotely switch off and on the automatic tilt compensation of the tractor.

Remote Control Station must have an emergency stop button to remove all power to the downhole equipment.

Power supply controller shall weigh no more than 10 lbs. for ease of installation and shipping.

On-screen text entry and menu navigation shall be done on a standard QWERTY PS2/AT keyboard.

Controller must have a serial communications port using a DB9 connection for interface with various types of computer software.

The power supply controller must be able to be restarted without removing power to other components and via menu selection from the Remote-Control Station.

The power supply controller shall have a master power switch on the front of the unit.

Power supply controller must have on-board help menus to aid in new user operation.

Power supply controller menu system shall come standard

Power supply controller must be able to be reset to factory defaults by a maximum of 3 key presses.

The power supply controller must have a function to calibrate the tractor mounted inclination meter and be able to calibrate within a minimum of +/- 5%.

The power supply controller must be constructed from lightweight, extruded aluminum with a minimum of 4 sides with over 80% of the surface area ventilated.

REEL

KW505 4K Synchronized Power Reel or EQUAL

The cable winch shall be stationary mounted and hold 1000 linear feet of camera cable.

Cable winch must be compatible with digital pipe inspection / HD/4K pipe inspection equipment as well as analog CCTV pipe inspection equipment transferring data over a dual fiber optic cable.

Cable reel must operate with a 48-volt DC power source.

The cable winch must have an electromagnetic clutch to engage and disengage the cable winch.

The cable winch's clutch must be electronically switchable on and off using a push button switch with a LED status indicator light.

The cable winch must have an automatic level wind guide.

The cable winch shall have a cable equalization amplifier for video picture processing.

There shall be a cable distance-measuring device built into the boom and integrated pulley.

Cable winch must have an integrated traction-regulating device that assists in paying out cable dependent on tractor speed.

Cable winch must have an integrated lowering winch to lift, lower, and position the tractor from the truck into the manholes.

The cable reel integrated lowering winch must be capable of lifting a minimum of 175 lbs.

Cable Reel must have a foldable boom that will have multiple locks allowing it to position at various angles to enhance setup capabilities.

Cable Reels foldable boom must be able to support a minimum of 175 lbs.

The cable reel shall be equipped with an emergency brake that will lock the reel if power is lost to the system to prevent uncontrollable unreeling of camera cable.

Cable winch must have a remote-control pendant with the following controls:

Tractor direction

Tractor speed

Tractor stop

Control cable winch

Operate lowering winch

Switch between internal and external controls

Turn winch on and off

Removal of slack from the cable

Retract lateral launch cable if attached.

Cable reel must have an emergency stop button on both the drum/reel and the pendant controller. E-stops shall remove all power to the downhole equipment.

Cable Reel must have a minimum of 3 status indicators, power and circuit breaker states.

Cable Reel must have a digital distance counter

Cable Reel must have a button used to reset the digital distance counter to zero position.

Cable Reel must have a removable drip tray that will catch and retain water and debris from main cable drum.

Camera cable must be a dual fiber, maximum of 0.405" diameter with 2000 lb. rating and Kevlar fiber armored.

Cable winch must be able to operate with an optional foot-controlled switch for hands-free raising and lowering of the camera / tractor with the lowering winch.

CABLE PROTECTION

Down Hole roller

Cable Protection (Downhole roller)

Downhole roller to protect the cable at the invert

Downhole roller must be designed to spin freely to aid in reducing friction aiding in longer range inspections

- Must be able to be secured to rope or lowering winch
- Frame of roller must be constructed of aluminum
- Shall use minimum of 3 lock pins to keep cable in the roller track

Remote Inspection Reel Guide Roller

Cable Protection 305/505 roller

Roller must connect to the cable reel to allow reel to maintain proper cable geometry when performing remote inspections.

Roller must have the preferred radius that will aid in encouraging longer life of the inspection cable and reduce wear.

Roller must be constructed of a steel frame and a nylon composite roller

Must be attached via a single locking pin

Roller must be able to be disengaged when not in use, and not require removal when not doing remote inspections.

Top Manhole Roller

Cable Protection Top Manhole Roller

Roller must connect to the cable reel to allow reel to maintain proper cable geometry when performing remote inspections.

Roller must have the preferred radius that will aid in encouraging longer life of the inspection cable and reduce wear.

Roller must be constructed of a steel frame and a nylon composite roller

Roller must be capable of being used with manhole openings up to 28"

Roller shall be colored/painted safety orange for high visibility at the open structure.

CHASSIS

E-450 Ford 158" Wheel Base
7.3L V8 Premium Rated Engine. 6 Speed Automatic Transmission with Overdrive.
Tow Haul Mode
Remote keyless entry
40 gallon fuel tank
Grey vinyl seats and flooring, cruise control, power group
AC and AM/FM stereo

CONVERSION

14' Inspection Box/Conversion for GAS chassis with Inspection Box
Dimensions : 14' x 6'6" or 16' x 6'6" Inside dimensions
3/8" FRP sidewall construction
12" Aluminum front radius
5" extruded aluminum vertical corners
3" formed channel cross members on 16" centers
Roof boxes at 24" on centers
Low profile with wheel wells
Air fairing to match chassis
28" x 78" side entry door with locking mechanical latch
Dual rear swing doors with deadbolt locking latch and inside release
Rear grated aluminum step bumper
Diamond plate aluminum rear fascia / kick plate cover between bumper and box

Recessed LED clearance lights
Aluminum Roof
Aluminum extruded plank flooring throughout

Studio Office Area

Partition wall between studio area and work area approximately 76 inches from the front of the box constructed of FRP.
Full height pass through to van cab with lockable door
3 12VDC LED lights in studio (2 under cabinets and 1 located on the ceiling between roof air and side entry door. All switched directly on wall.
2 Laminated overhead cabinets in studio with additional storage
13,500 BTU roof air conditioner with 1200-watt heat strip installed
Onan 5500-Watt commercial gas generator running off of Chassis' fuel tank

Remote generator starter with hour meter mounted in control room.
Outside access door on generator for easy accessibility
Laminate hard surface counter tops in studio, blue in color. Must have 2 grommet holes to accommodate cables from monitors.

Full profile shelf above desk that is 16” deep and 7” tall openings with 2 grommet holes to accommodate cables from monitor. Partitions should be placed 19” apart when able.

Sliding window with screen on partition wall above studio desk next to pass through door

Passage door with one window or 1 larger window located at the center of door. Door must latch from inside and out. Door must be a minimum of 74” tall to pass through without hitting head.

Carpet wall and ceiling covering in studio, either blue or gray in color, indoor / outdoor or automotive carpet required.

Aluminum extruded plank flooring shall be used throughout

Equipment Room

4 12 VDC LED lights in work area. (1 located under cabinet and 1 located centrally on the ceiling. All switched on wall.

FRP constructed overhead cabinets with latching doors in work area.

Dual latching door cabinet on top of workbench connecting to partition wall.

Hard maple wood butcher block countertop sink area on partition wall on driver’s side in work area, 24 inches deep and approx. 36” wide and squirt faucet. Tank and pump to be located below with latching doors.

Automatic shore power / generator switch

Exterior shore power plug / receptacle, 30 Amp with 30-foot extension cord and 15 Amp converter.

55 to 75-amp 12VDC battery charger / converter mounted

12 VDC / 100 VAC fuse / breaker box mounted and wired

Auxiliary 12 VDC battery mounted

Five (5) 110VAC outlets on work area circuit

Aluminum extruded plank flooring shall be used throughout

Composite video cable installed from work area LCD monitor to under the counter in the studio.

3” minimum tall pass hole or channel between studio and work area

14-gallon freshwater tank with 12VDC pump with switch and tank monitor

FRP covered walls and ceiling in work area. White in color.

Strobe mounted on front roof with switch located for driver operation

Directional LED arrow stick on rear of vehicle with driver accessible controls

Custom 5 drawer commercial toolbox with locking and latching doors. Must have ball bearing slides and be removable for warranty claims. Also, must carry a commercial warranty.

Backup camera with LCD Monitor

Must have powered retractable rear canopy with easy, push-button extension and retraction

ACCESSORIES

Pressure Test Set

Manual pump with pressure gauge utilized with all cameras and tractors to pressurize them to the recommended safe pressure.

The pressurization is monitored for each component by the controller. The controller will alert the operator in event of a low-pressure situation. This feature is a major benefit to system owners aiding in protecting it from potential water ingress.

Pressure test set must have pressure relief blow off valve integrated to ensure that the system cannot be accidentally over charged.

Air pump/Pressure test set must have an integrated and replaceable desiccant canister to remove moisture from the air.

Pressure test set must have a dial type gauge that is clear and easy to read.

Pressure test set must actively pump air in both directions (Pull & Push)

PROPOSAL FORM

SEWER CAMERA TOWN OF HUDSON, NEW HAMPSHIRE

THE UNDERSIGNED HEREBY OFFERS TO PROVIDE EQUIPEMENT AND TRAINING FOR THE ABOVE

1. Cost of Contract:

Cost related to sewer camera.

\$ _____

Length of the warranty for EQUIPEMENT shall be one year from the date of equipment acceptance.

The warranty shall include parts, labor, and travel to and from the site to remedy any warranty repairs.

The undersigned acknowledges:

1. That he/she is an authorized agent of the vendor submitting this proposal.
2. The receipt of the following addenda:
_____.
3. The firm submitting this bid has never defaulted on any municipal, state, federal or private contract.
4. The undersigned hereby certifies that he is able to furnish labor that can work in harmony with all other elements of labor employed or to be employed on the work.
5. The undersigned hereby certifies that he (has) (has not) (CIRCLE ONE) performed work subject to the President's Executive Order No. 11246 entitled "Equal Employment Opportunity."
6. The undersigned hereby acknowledges that he has read this proposal in its entirety and understands and agrees to all provisions contained herein.

Company: _____

Signed by: _____

Printed or typed name: _____

Address: _____

Telephone number: _____ **fax number:** _____

Toll free number: _____ **e-mail:** _____

Cell phone number: _____

Primary point of contact: _____

Payment terms and conditions: _____

Please fill out, sign and return to:

Town of Hudson
Town Clerk's Office
12 School Street, Hudson, NH 03051
603-886-6008; 603-594-1142 (Fax)
cstrout-lizotte@hudsonnh.gov

Due Date/Time: December 7 , 2023 , Not Later Than 10:00 AM

SPECIFICATIONS EXCEPTION FORM

**SEWER CAMERA
TOWN OF HUDSON, NEW HAMPSHIRE**

In the interest of fairness and sound business practice, it is mandatory that you state any exceptions taken by you to our specifications.

It should not be the responsibility of the Town of Hudson to ferret out information concerning the materials, which you intend to furnish.

If your bid/quotation does not meet all of our specifications, you **must** so state in the space provided below:

Proposals on equipment, vehicles, supplies, service and materials not meeting specifications may be considered by the Town, however, all deviations must be listed above.

If your proposal does not meet our specifications, and your exceptions are not listed above, the Town of Hudson may claim forfeiture on your proposal bond, if submitted.

Signed: _____

I DO meet specifications

Signed: _____

I DO NOT meet specifications as listed in this bid; exceptions are in the space provided.

Failure to submit this form with your RFP response may result in your Proposal being rejected as unresponsive.

Alternate Form W-9 (rev 01/2011)	<h2 style="margin: 0;">Request for Taxpayer Identification Number and Certification</h2>	Give form to the requester. Do not send to the IRS.
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Name (as shown on your income tax return)	
Business name/disregard entity name, if different from above	
Check appropriate box for federal tax classification (required): <input type="checkbox"/> Individual/ Sole proprietor <input type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation	<input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate
<input type="checkbox"/> Limited Liability Company – Enter the tax classification (C= Corporation, S-S Corporation, P= Partnership) _ _ _ _ _	<input type="checkbox"/> Exempt payee
<input type="checkbox"/> Other (see instructions)	
Address (number, street, and apt. or suite no.)	Requester's name and address (optional)
City, state, and ZIP code	City of Concord 41 Green Street Concord NH 03301
List account number(s) here (optional)	

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on the "Name" line to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3. **Note.** If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

Social Security number –	Employer identification number –
--------------------------	----------------------------------

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me),
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
3. I am a U.S. citizen or other U.S. person (defined below).

Certification instructions: You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 4.

Sign Here	Signature of U.S. Person	Date:
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General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Purpose of Form

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA. Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to: 1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued), 2. Certify that you are not subject to backup withholding, or 3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income. **Note.** If a requester give you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9. Pursuant to IRS Regulations, you must furnish your Taxpayer IRS Identification Number (TIN) to the City whether or not you are required to file tax returns. If this number is not provided, you may be subject to required withholding on each payment made to you. To avoid this withholding & to ensure that accurate tax information is reported to the IRS, **A RESPONSE IS REQUIRED.**

**“SEWER CAMERA”
TOWN OF HUDSON, NEW HAMPSHIRE**

**THE FOLLOWING INDEMNIFICATION AGREEMENT SHALL BE, AND IS
HEREBY A PROVISION OF ANY CONTRACT**

The successful contractor agrees to indemnify, defend and save harmless the Town, its officials, officers, agents and employees from any and all claims and losses accruing or resulting to any and all contractors, subcontractors, suppliers, laborers and any other person, firm, or corporation furnishing or supplying work, services, materials or supplies in connection with the performance of this contract, and from any and all claims and losses accruing or resulting to any person, firm or corporation which may be injured or damaged by the contractor in the performance of this contract. In any case, the foregoing provisions concerning indemnification shall not be construed to indemnify the Town for damage arising out of bodily injury to persons or damage to property caused by or resulting from the sole negligence of the Town or its employees. This indemnification shall survive the expiration or early termination of this contract.

Company _____

Taxpayer identification number _____

Authorized signature _____

Date _____

Address _____

Telephone _____

Toll-free number _____

Fax number _____

E-mail address _____

PROPOSAL FORM

SEWER CAMERA TOWN OF HUDSON, NEW HAMPSHIRE

THE UNDERSIGNED HEREBY OFFERS TO PROVIDE EQUIPEMENT AND TRAINING FOR THE ABOVE

1. Cost of Contract:

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\$ _____

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Toll free number: _____ **e-mail:** _____

Cell phone number: _____

Primary point of contact: _____

Payment terms and conditions: _____

Please fill out, sign and return to:

Town of Hudson
Town Clerk's Office
12 School Street, Hudson, NH 03051
603-886-6008; 603-594-1142 (Fax)
cstrout-lizotte@hudsonnh.gov

Due Date/Time: December 7 , 2023 , Not Later Than 10:00 AM

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TOWN OF HUDSON, NEW HAMPSHIRE**

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<input type="checkbox"/> Limited Liability Company – Enter the tax classification (C= Corporation, S-S Corporation, P= Partnership) _ _ _ _ _	<input type="checkbox"/> Exempt payee
<input type="checkbox"/> Other (see instructions)	
Address (number, street, and apt. or suite no.)	Requester's name and address (optional)
City, state, and ZIP code	City of Concord 41 Green Street Concord NH 03301
List account number(s) here (optional)	

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Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
3. I am a U.S. citizen or other U.S. person (defined below).

Certification instructions: You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 4.

Sign Here	Signature of U.S. Person	Date:
------------------	---------------------------------	--------------

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Purpose of Form

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA. Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to: 1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued), 2. Certify that you are not subject to backup withholding, or 3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income. **Note.** If a requester give you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9. Pursuant to IRS Regulations, you must furnish your Taxpayer IRS Identification Number (TIN) to the City whether or not you are required to file tax returns. If this number is not provided, you may be subject to required withholding on each payment made to you. To avoid this withholding & to ensure that accurate tax information is reported to the IRS, **A RESPONSE IS REQUIRED.**

**“SEWER CAMERA”
TOWN OF HUDSON, NEW HAMPSHIRE**

**THE FOLLOWING INDEMNIFICATION AGREEMENT SHALL BE, AND IS
HEREBY A PROVISION OF ANY CONTRACT**

The successful contractor agrees to indemnify, defend and save harmless the Town, its officials, officers, agents and employees from any and all claims and losses accruing or resulting to any and all contractors, subcontractors, suppliers, laborers and any other person, firm, or corporation furnishing or supplying work, services, materials or supplies in connection with the performance of this contract, and from any and all claims and losses accruing or resulting to any person, firm or corporation which may be injured or damaged by the contractor in the performance of this contract. In any case, the foregoing provisions concerning indemnification shall not be construed to indemnify the Town for damage arising out of bodily injury to persons or damage to property caused by or resulting from the sole negligence of the Town or its employees. This indemnification shall survive the expiration or early termination of this contract.

Company _____

Taxpayer identification number _____

Authorized signature _____

Date _____

Address _____

Telephone _____

Toll-free number _____

Fax number _____

E-mail address _____

NOTICE OF AWARD

Dated _____, 2023

TO: _____
(BIDDER)

ADDRESS: _____

OWNER'S PROJECT NO: _____

PROJECT: **SEWER CAMERA EQUIPEMENT**

OWNER'S CONTRACT NO: _____

CONTRACT FOR: **SEWER CAMERA EQUIPEMENT**

(Insert name of contract as it appears in the Bid Documents)

You are notified that your Bid dated _____ for the above Contract has been considered. You are the apparent successful bidder and have been awarded a contract for:

Hudson – RFP 23

SEWER CAMERA EQUIPEMENT

(Indicate total Work, alternates or sections of Work awarded)

The Contract Price of your contract is

_____ Dollars (\$) _____).

You must comply with the following conditions precedent within **five** days of receiving this Notice of Award.

1. You must deliver to the OWNER all of the fully executed counterparts of the Agreement.
2. You must deliver with the executed Agreement as specified in the Information for Bidders and General Provisions.
3. (List other conditions precedent).

List of Equipments

Failure to comply with these conditions within the time specified will entitle **OWNER** to consider your bid abandoned, to annul this Notice of Award.

Town of Hudson
(OWNER)

By _____
(Authorized Signature)

(TITLE)

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE OF AWARD is hereby acknowledged

By _____

The _____ day of _____, 20 _____

By _____

Title _____

Copy to Public Works Director
(Use Certified Mail, Return Receipt Requested)

**FORM OF AGREEMENT
BETWEEN OWNER AND VENDOR**

THIS AGREEMENT is dated as of the _____ day of _____ in the year 2023 by and between the Town of Hudson, 12 School Street, Hudson, NH (hereinafter called OWNER) and _____ (hereinafter called VENDOR).

OWNER and VENDOR, in consideration of the mutual covenants hereinafter set forth, agree as follows:

ARTICLE 1 - WORK

VENDOR shall provide equipment and training as specified or indicated in the Contract Documents. The Work is generally described as follows:

**SEWER CAMERA
HUDSON, NEW HAMPSHIRE**

ARTICLE 2 – OWNER

The Project is being managed by the Director of Public Works, who is to act as OWNER's representative, assume all duties and responsibilities and have the rights and authority assigned to ENGINEER in the Contract Documents in connection with completion of the contract.

ARTICLE 3 - CONTRACT PRICE

OWNER shall pay VENDOR for completion of the Work in accordance with the Contract Documents an amount equal to the sum of the Lump Sum Cost as shown on the Proposal Form (attached).

3.1 Liquidated Damages: OWNER and VENDOR recognize that time is of the essence of this Agreement and that if the Work is not completed within the times specified, the OWNER and VENDOR agree that as liquidated damages for delay (but not as a penalty) the OWNER shall deduct from payments due the VENDOR **Two Hundred and Fifty (\$250.00)** for each calendar day that expires past the date for each calendar day that expires after the Substantial Completion date specified, until said portions of the work have been completed. If payments due the VENDOR are less than the amount of such liquidated damages, said damages shall be deducted from any other monies due or to become due the VENDOR, and then the VENDOR or his Surety shall pay the balance to the OWNER.

- 3.2 In addition to the above, if the Contract is not completed within the time specified and no extension of time is authorized by the OWNER, the VENDOR shall indemnify the OWNER for costs to the OWNER of additional engineering work required during any such extension period.

ARTICLE 4 - PAYMENT PROCEDURES

CONTRACTOR shall submit Applications for Payment, which will be processed by OWNER within thirty (30) days of submittal.

The Town waives any retainage requirement for this project. All payments to the VENDOR r will be based on the payment schedule noted above.

ARTICLE 5 - INTEREST

All monies not paid when due as provided in the General Conditions shall bear interest at the maximum rate allowed by law at the place of the Project.

ARTICLE 6 - CONTRACTOR'S REPRESENTATIONS

In order to induce OWNER to enter into this Agreement VENDOR makes the following representations:

- 7.1 VENDOR has examined and carefully studied the Contract Documents including the Addenda and the other related data identified in the Bidding Documents including "technical data".
- 7.2 VENDOR has given OWNER written notice of all conflicts, errors, ambiguities or discrepancies that OWNER has discovered in the Contract Documents and the written resolution thereof by OWNER is acceptable to VENDOR, and the Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.

ARTICLE 7 - CONTRACT DOCUMENTS

The Contract Documents which comprise the entire agreement between OWNER and CONTRACTOR concerning the Work consist of the following:

- 7.1 Request for Proposal RFP 23.
- 7.2 Town of Hudson required contract forms:
- a.) Proposal Document
 - b.) Specifications Exception Form
 - d.) Alternate Form W-9

d.) Indemnification Agreement

- 7.3 Notice of Award.
- 7.4 This Agreement.
- 7.5 CONTRACTOR's Proposal.
- 7.6 The following which may be delivered or issued after the Effective Date of the Agreement and are not attached hereto: All Written Amendments and other documents amending, modifying or supplementing the Contract Documents pursuant to the General Conditions.

ARTICLE 8 - MISCELLANEOUS

- 8.1 Terms used in this Agreement which are defined in the General Conditions will have the meanings indicated in the General Conditions.
- 8.2 No assignment by a party hereto of any rights under or interests in the Contract Documents will be binding on another party hereto without written consent of the party sought to be bound; and, specifically but without limitation, monies that may become due and monies that are due may not be assigned without such consent (except to the extent that the effect of this restriction may be limited by law), and unless specifically stated to the contrary in any written consent to an assignment no assignment will release or discharge the assignor from any duty or responsibility under the Contract Documents.
- 8.3 OWNER and CONTRACTOR each binds itself, its partners, successors, assigns and legal representatives to the other party hereto, its partners, successors, assigns and legal representatives in respect to all covenants, agreements and obligations contained in the Contract Documents.
- 8.4 Any provision or part of the Contract Documents held to be void or unenforceable under any Law or Regulation shall be deemed stricken, and all remaining provisions shall continue to be valid and binding upon OWNER and CONTRACTOR, who agree that the Contract Documents shall be reformed to replace such stricken provision or part thereof with a valid and enforceable provision that comes as close as possible to expressing the intention of the stricken provision.

IN WITNESS WHEREOF, OWNER and CONTRACTOR have signed this Agreement in triplicate. One counterpart each has been delivered to OWNER, CONTRACTOR and ENGINEER. All portions of the Contract Documents have been signed, initialed or identified by OWNER and CONTRACTOR or identified by ENGINEER on their behalf.

This Agreement will be effective on _____, 20__ (which is the Effective Date of the Agreement).

OWNER Town of Hudson

CONTRACTOR _____

By: _____

By: _____

Print Name _____

Print Name _____

Title: _____

Title: _____

STATE OF NEW HAMPSHIRE
COUNTY OF _____

STATE OF _____
COUNTY OF _____

The foregoing instrument was acknowledged before me this ____ day of _____, 2023, by _____, duly authorized _____ of _____, a New Hampshire corporation, on behalf of same.

The foregoing instrument was acknowledged before me this ____ day of _____ 2023, by _____, duly authorized _____ of _____, a _____ corporation, on behalf of same.

Justice of the Peace/Notary Public

Justice of the Peace/Notary Public

Address for giving notices:

Address for giving notices:

Town of Hudson, 12 School Street,

Hudson, New Hampshire

(If OWNER is a public body, attach evidence of authority to sign and resolution of other documents authorizing execution of Agreement.

NH License No.: _____

Agent for service of process: _____

(If CONTRACTOR is a corporation, attach evidence of authority to sign).

QUESTIONS AND ANSWERS RELATED TO THIS REQUEST FOR PROPOSAL

**SEWER CAMERA
TOWN OF HUDSON, NEW HAMPSHIRE**

Question 1:

Answer 1:

