

Advertisement for Bids

S1E Optical Push Camera (or Equal)

The City of Ironwood is soliciting bids for a S1E Optical Push Camera or equivalent, that can be used to televise underground pipelines. A list with technical specifications along with a bid sheet can be picked up in the Clerk's Office, 213 South Marquette Street, Ironwood, MI 49938. Office hours are 7:30 to 4:00 pm Monday through Friday.

Sealed bids will be received in the Clerk's Office until 2:00 pm CST, Thursday, January 30, 2020.

The City of Ironwood reserves the right to accept or reject any and all bids. For more information contact Bob Tervonen, Utilities Manager at (906)932-5050.

Legal Ad:

Please run Thursday, January 9 and Saturday, January 11, 2020

S1E PUSH SYSTEM CAMERA Bids (or Equal)

The City of Ironwood is soliciting bids for a S1E Push Optical Camera (or Equal) for small diameter underground infrastructure such as sewer lines. Technical specifications for the system can be obtained from the City of Ironwood at 213 South Marquette Street, Ironwood, MI 49938.

Opening of the sealed bids will be Thursday, January 30, 2020 at 2:00 pm CST. You may contact Bob Tervonen at the City of Ironwood at (906)932-5050 if you have any questions. Bids may be submitted to the following:

Push Camera
Attn: Bob Tervonen
City of Ironwood
213 South Marquette Street
Ironwood, MI 49938

**CITY OF IRONWOOD
TECHNICAL SPECIFICATIONS
FOR
S1E OPTICAL PUSH CAMERA (OR EQUAL)**

1.0 INTENT

1.01 It is the intent of this specification for the purchase of one (1) new and unused complete portable color television inspection system, ready for operation. The system shall include self-leveling color television camera, power unit, color monitor, and video recording unit. The following specification is based upon a S1E Optical Push Camera model television pipe inspection system as manufactured by Source One Environment (or equal).

1.02 The City of Ironwood has evaluated different types of equipment and has determined that this type of unit is best suited for its needs in safety, quality, performance, and standardization. This specification is not to be interpreted as restrictive, but rather as a measure of the safety, quality and performance against which all equipment bid will be compared.

1.03 A contract may be awarded for the product, which best serves the interest of the City of Ironwood when cost, produce, safety, quality and delivery are considered. The City of Ironwood reserves the right to reject any or all bids or any part thereof, and to waive any minor technicalities. A contract may be awarded to the bidder submitting the lowest responsible bid meeting or exceeding the requirements of this specification.

2.0 EQUIVALENT PRODUCT

2.01 Bids will be accepted for consideration on any make or model that is equal or superior to the equipment specified. Decisions of equivalency will be at the sole interpretation of the City of Ironwood.

2.02 The low bidder shall be prepared to demonstrate the exact equipment being proposed prior to the City awarding bids. Equipment demonstrated shall be fully equipped with all accessories and components required in this specification. Bidders who have previously demonstrated to the City of Ironwood may request a waiver of this requirement.

2.03 Failure to comply with this demonstration requirement may result in rejection of bid.

2.04 A blanket statement that equipment proposed will meet or exceed all requirements will not be sufficient to establish equivalence. Original manufacturer's brochures of the proposed unit are to be submitted with the proposal. All modifications made to the standard production unit described in the manufacturer's brochures must be certified by the manufacturer and submitted with the bid, or the bid will be deemed "non-responsive" and may be rejected without further review.

3.0 INTERPRETATIONS

3.01 In order to be fair to all bidders, no oral interpretations will be given to any bidder as to the meaning of the specification documents or any part thereof. Every request for such a consideration shall be made in writing to the utilities' manager of the City of Ironwood. Based upon such inquiry, the City of Ironwood may choose to issue an addendum in accordance with public contracts law.

4.0 GENERAL

4.01 The specification herein states the minimum requirements of the City of Ironwood. All bids must be regular in every respect. Unauthorized conditions, limitations, or provisions shall be cause for rejection. Any bid not prepared and submitted in accordance with the bid document and specification, or any bid lacking sufficient technical literature to enable the City of Ironwood to make a reasonable determination of compliance to the specification may be considered as "non-responsive" and rejected without further review.

4.02 It shall be the bidder's responsibility to carefully examine each item of the specification. Failure to offer a completed bid or failure to respond accurately to each individual item of the technical specification may cause the proposal to be rejected without further review. All variances, exceptions and/or deviations shall be fully described in the appropriate section. Deceit in responding to the specification will be cause for rejection.

5.0 SERVICE QUALIFICATIONS

5.01 The availability of quality local service and parts support is of importance to the City of Ironwood. Indicate who would be performing any future maintenance and/or repairs to the proposed equipment. Bids failing to identify a satisfactory service and parts facility may be rejected without further review.

5.02 The City of Ironwood will not accept the use of substitute, contractor, subcontractor or other indirect service without the evaluation of such indirect service provider by the City of Ironwood. Clearly indicate the facility that would be providing service to the proposed equipment.

5.03 If the bidder intends to use substitute, contractor, sub-contractor service providers, bidder shall submit as part of the bid package submitter, a letter from such service provider(s) bearing an original signature and addressed directly to the City of Ironwood acknowledging they have read and understand the service provisions of this specification and certifying they will fully comply with all the provisions contained herein. Letter shall also certify acknowledgement that they assume full and equal liability for all work performed. Failure to submit such letter with the bid may result in rejection of the bid without further review.

5.04 Bidder shall state the location of service facility nearest to the City of Ironwood.

5.05 Manufacturer shall provide for the cost of transportation of all equipment when service is required during the warranty period. Manufacturer shall provide a letter with **original signature** addressed directly to the City of Ironwood certifying they will fully comply with this requirement. Failure to submit such letter with the bid may result in rejection of the bid without further review. Bidder shall provide a minimum 1-year full parts and labor warranty. Identify with the bid the term of the warranty being provided.

GENERAL OVERVIEW:

The push camera system shall be compact and portable integrated with the following features. If submitting an “Equal” bid – clearly identify how the “Equal” meets or exceeds each of these specifications.

Camera Head & Sonde Recommended Specifications

- 6.01** 1.3” Diameter self-leveling, color camera head
- 6.02** 2” Camera length – stainless steel
- 6.03** 640 x 480 Camera resolution
- 6.04** Sapphire glass lens
- 6.05** 12 LED lights
- 6.06** -40F to 158F operating temperature
- 6.07** Sonde transmitter 512 Hz
- 6.08** 2” and 3” skids

Reel Recommended Specifications

- 6.09** Pushrod diameter 0.475”
- 6.10** Cable Core 0.177 fiberglass
- 6.11** Exterior cable polypropylene jacket
- 6.12** Reel length of 300’ shall be provided
- 6.13** Drum brake tensioner
- 6.14** Reel drum dent and rust resistant
- 6.15** Reel frame powder coated steel
- 6.16** Integrated digital distance counter

Monitor Recommended Specifications

- 6.17** 10.4” Display monitor
- 6.18** 640 x 480 resolution
- 6.19** On screen distance counter feet/meters
- 6.20** Time/Date stamp available
- 6.21** Video format MP4
- 6.22** Frames per second FPS30
- 6.23** Image JPEG
- 6.24** Audio microphone and speaker
- 6.25** Video recording flash device USB flash drive
- 6.26** One touch recording
- 6.27** WI Fi Streaming/Recording Apple and Android via App
- 6.28** Keypad water resistant
- 6.29** Text writing available
- 6.30** Power sources available – AC, DC, battery

6.31 Operating Temperature 14F to 112F

Required accessories include debris cover, accessory bag, 2" skid, 3" skid, S-Tool, USB flash drive, owner's manual, Allen wrench, AC power cord, video interconnect cable.

7.0 MANUALS

7.01 The contractor will furnish at least two (2) copies of suitable service manuals that describe in detail the proper operation and maintenance of the equipment furnished under the contract. The manuals will contain a current and complete parts for re-ordering, and the equipment actually furnished under this contract will be highlighted to identify exact part and model numbers for each component.

8.0 SERVICE AND TRAINING

8.01 Vendors shall have a full parts and service facility within a reasonable distance from the City of Ironwood.

8.02 A qualified technician shall provide complete training to the City of Ironwood's personnel at its garage. Training shall include safety, operation, maintenance and service.

9.0 DELIVERY

9.01 Vehicle shall be delivered F.O.B. to the City of Ironwood in first class operating condition.

9.02 Acceptance shall be subject to the inspection and approval of the City of Ironwood.

9.03 Bidder shall state delivery time after receipt of order.

PROPOSAL FORM

To: The City of Ironwood

The undersigned hereby declares that they have carefully examined the

**ONE (1) NEW AND UNUSED
S1E OPTICAL PUSH CAMERA**

BODY MAKE: _____ **MODEL:** _____

PURCHASE PRICE: @ \$ _____ **TOTAL:** \$ _____

(In Words) _____

SIGNED: _____ **DATE:** _____

BIDDER: _____

ADDRESS: _____

PHONE NUMBER: _____

All bids shall be submitted in a sealed envelope and
clearly marked as
'Bids for Sewer Televising Equipment – Push Camera'.