

STATE OF MINNESOTA
EQUIPMENT SPECIFICATION

SPECIFICATION: S986-914

November, 2017
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Sewer/Pipeline Inspection Equipment

Introduction

This specification contains five (5) different sections for items that would be used to conduct sewer and pipeline inspection to assess condition, detect flaws and/or obstructions. These five (5) sections for items are: crawler inspection camera system; jetter inspection camera; push camera inspection system; pole mount inspection system; and inspection vehicle field office up-fit packages. There are separate pricing pages for each of these items. The State reserves the right to issue multiple awards to more than one (1) responder.

1.0 Crawler Inspection Camera System

- 1.1 Unit must be self-propelled and operate in pipes four inches (4") in diameter or larger.
- 1.2 Tractor, camera system and connections must be waterproof and corrosion resistant.
- 1.3 Operating system cable shall Kevlar reinforced.
- 1.4 Unit must have a white Light Emitting Diode (LED) light system for illumination.
- 1.5 Each unit must be supplied with one (1) set of parts, service, and operations manuals as well as a complete wiring diagram.
- 1.6 Unit must be complete with everything needed to operate the unit included in base unit price.
- 1.7 Manufacturer's standard color is acceptable, but paint must be lead-free.
- 1.8 Responder must ensure equipment meets all current Federal and Minnesota safety codes.
- 1.9 Responder must give adequate equipment orientation in mounting and removal; operation; safety; and maintenance of supplied equipment at delivery site before the purchase will be considered complete.
- 1.10 The responder shall furnish a standard manufacturer's warranty. The contract vendor shall be responsible for the cost of any inspections, adjustments, parts, labor, travel, pickup and/or delivery charges that are a result of equipment failure(s) during the warranty period. This shall be performed without any delay. This warranty shall commence when the unit is put into service. The responder shall state warranty for all items requested on the pricing page.

2.0 Jetter Inspection Camera System

- 2.1 Unit must use jet hose for propulsion in six inch (6") diameter pipe or larger.
- 2.2 System must have the ability to be retrofitted to an existing or new jetter truck.
- 2.3 Unit camera lens must be color and self leveling.
- 2.4 Jetter camera system and connections must be waterproof and corrosion resistant.
- 2.5 Each unit must be supplied with one (1) set of parts, service, and operations manuals as well as a complete wiring diagram.
- 2.6 Unit must be complete with everything needed to operate the unit included in base unit price.
- 2.7 Manufacturer's standard color is acceptable, but paint must be lead-free.
- 2.8 Responder must ensure equipment meets all current Federal and Minnesota safety codes.
- 2.9 Responder must give adequate equipment orientation in mounting and removal; operation; safety; and maintenance of supplied equipment at delivery site before the purchase will be considered complete.

- 2.10 The responder shall furnish a standard manufacturer's warranty. The contract vendor shall be responsible for the cost of any inspections, adjustments, parts, labor, travel, pickup and/or delivery charges that are a result of equipment failure(s) during the warranty period. This shall be performed without any delay. This warranty shall commence when the unit is put into service. The responder shall state warranty for all items requested on the pricing page.

Sewer/Pipeline Inspection Equipment cont.

3.0 Push Camera Inspection System

- 3.1 Unit must be push type camera and operate in pipes from one inch (1") diameter or larger.
- 3.2 Camera system and connections must be waterproof and corrosion resistant.
- 3.3 Unit must have a white Light Emitting Diode (LED) light system for illumination.
- 3.4 Camera shall must have a sapphire glass window and be self leveling.
- 3.5 Each unit must be supplied with one (1) set of parts, service, and operations manuals as well as a complete wiring diagram.
- 3.6 Unit must be complete with everything needed to operate the unit included in base unit price.
- 3.7 Manufacturer's standard color is acceptable, but paint must lead-free.
- 3.8 Responder to ensure equipment meets all current Federal and Minnesota safety codes.
- 3.9 Responder must give adequate equipment orientation in mounting and removal; operation; safety; and maintenance of supplied equipment at delivery site before the purchase will be considered complete.
- 3.19 The responder shall furnish a standard manufacturer's warranty. The contract vendor shall be responsible for the cost of any inspections, adjustments, parts, labor, travel, pickup and/or delivery charges that are a result of equipment failure(s) during the warranty period. This shall be performed without any delay. This warranty shall commence when the unit is put into service. The responder shall state warranty for all items requested on the pricing page.

4.0 Pole Mounted Camera Inspection System

- 4.1 Unit must be a pole mounted camera which can be lowered into a vertical pipe.
- 4.2 Unit must have a calibration system for accuracy.
- 4.3 Each unit must be supplied with one (1) set of parts, service, and operations manuals as well as a complete wiring diagram.
- 4.4 Unit must be complete with everything needed to operate the unit included in base unit price.
- 4.5 Manufacturer's standard color is acceptable, but paint must lead-free.
- 4.6 Responder must ensure equipment meets all current Federal and Minnesota safety codes.
- 4.7 Responder must give adequate equipment orientation in mounting and removal; operation; safety; and maintenance of supplied equipment at delivery site before the purchase will be considered complete.
- 4.8 The responder shall furnish a standard manufacturer's warranty. The contract vendor shall be responsible for the cost of any inspections, adjustments, parts, labor, travel, pickup and/or delivery charges that are a result of equipment failure(s) during the warranty period. This shall be performed without any delay. This warranty shall commence when the unit is put into service. The responder shall state warranty for all items requested on the pricing page.

Sewer/Pipeline Inspection Equipment cont.**5.0 Inspection Vehicle Field Office Up-fit Packages**

- 5.1 This unit is a mobile office to house sewer/pipeline inspection equipment that can be installed in, but not limited to, a trailer, cargo van or van body. Responders offering trailer-type field office packages may offer the trailer as part of the package. This must be clearly indicated on the pricing page with the size and gross vehicle weight rating (GVWR) listed. Other vehicle types must be supplied by the ordering State agency or CPV member.
- 5.2 Field office unit(s) must be designed to accommodate sewer/pipeline inspection systems, equipment, operator console and be fully self-contained.
- 5.3 Unit must be equipped with a generator, not limited to, but no less than, two thousand (2,000) watt.
- 5.4 The unit must be equipped with interior and exterior lighting.
- 5.5 If applicable, installation of field office package and accessories must be listed as a separate item on the pricing page. Installation must include labor, shop supplies and needed hardware to accomplish complete installation.
- 5.6 Responder must ensure equipment meets all current Federal and Minnesota safety codes.
- 5.7 Responder must supply Manufactures Statement of Origin (MSO) at the time of trailer delivery.
- 5.8 The contract vendor shall furnish a standard manufacturer's warranty. The contract vendor shall be responsible for the cost of any inspections, adjustments, parts, labor, travel, pickup and/or delivery charges that are a result of equipment failure(s) during the warranty period. This shall be performed without any delay. This warranty shall commence when the unit is put into service. The responder shall state warranty for all items requested on the pricing page.
- 5.9 The responder shall furnish a standard manufacturer's warranty. The contract vendor shall be responsible for the cost of any inspections, adjustments, parts, labor, travel, pickup and/or delivery charges that are a result of equipment failure(s) during the warranty period. This shall be performed without any delay. This warranty shall commence when the unit is put into service. The responder shall state warranty for all items requested on the pricing page.

6.0 Responder Instructions

- 6.1 The Responder should make a pricing page for each model of Inspection Camera unit they are offering. **Do not put two (2) or more models on one (1) pricing page.** Please offer a complete list of units and options you are offering, if you do not list an option, you cannot legally sell it on the contract.
- 6.2 An electronic pricing page is included. Responders must follow the format of pricing page including order of offering options so there is consistency for purchasers to compare Inspection Cameras and options when determining what they want to buy. This includes the base unit product information requested. Deviating from the structure and order of the pages is reason for rejecting a bid. State of Minnesota will convert the contracted vendors pricing page to a contract pricing page for communication to State Agencies and Cooperative Purchasing Venture (CPV) members.
- 6.3 For optional items in lieu of standard items such as a cable reel, camera, generator, etc., price must be the difference paid to achieve the upgrade rather than full purchase price.
- 6.4 Delivery costs are to be for loaded miles only. The Responder must state starting location. Mileage distances will be determined from the website <https://www.google.com/maps>.
- 6.5 The Responder must state company name, address, contact, phone number, fax number and toll free number if they have one at top of pricing page for each model submitted.