



Administrative Services

Purchasing Division

CITY OF FORT COLLINS

ADDENDUM No. 1

Bid #5710

Street Flusher Tank Pumps & Control System

SPECIFICATIONS AND CONTRACT DOCUMENTS

Description of Bid #5710 Street Flusher Tank Pumps & Control System

OPENING DATE: June 19, 2002, 2:30.p.m. (Our Clock)

To all prospective bidders under the specifications and contract documents described above, the following changes are hereby made.

General:

The City of Fort Collins has the cab/chassis mentioned in this section already on order. The truck information was included so that bidders would have that information to use in their bid.

6.10 Automatic Water Pressure Control System:

Sensing and control system designed to allow for constant water pressure within a vehicle speed range of 5 - 25 mph. See Controls.

Amend to read:

Sensing and control system designed to provide constant water pressure at the nozzles within the normal range of engine rpm used during flushing operations. Delivered water volume must automatically adjust to maintain such pressure as spray nozzles are turned on and off. See Controls.

If you have any questions please contact Jim Hume, CPPB, Senior Buyer at 970-221-6776.

RECEIPT OF THIS ADDENDUM MUST BE ACKNOWLEDGED BY A WRITTEN STATEMENT ENCLOSED WITH THE BID/QUOTE STATING THAT THIS ADDENDUM HAS BEEN RECEIVED.



Administrative Services
Purchasing Division

CITY OF FORT COLLINS

INVITATION TO BID

BID #5710

STREET FLUSHER TANK, PUMPS AND CONTROL SYSTEM

BID OPENING: 2:30 p.m. (our clock) JUNE 19, 2002

Sealed bids will be received and publicly opened at the office of the Director Of Purchasing and Risk Management, PO Box 580, 215 North Mason St., 2nd floor, Fort Collins, Colorado 80522, at the time and date noted on the bid proposal and/or contract documents. If delivered, they are to be sent to 215 North Mason Street, 2nd Floor, Fort Collins, Colorado 80524. If mailed, the address is P.O. Box 580, Fort Collins, 80522-0580.

Bids must be received at the Purchasing Office prior to 2:30 p.m. (our clock), June 19, 2002.

A copy of the Bid may be obtained as follows:

1. Call the Purchasing Fax-line, 970-416-2033 and follow the verbal instruction to request document #25710
2. Download the Bid from the Purchasing Webpage, Current Bids page, at: www.fcgov.com/purchasing.
3. Come by Purchasing at 215 North Mason St., 2nd floor., Fort Collins, and request a copy of the Bid.

Special Instructions

All bids must be properly signed by an authorized representative of the company with the legal capacity to bind the company to the agreement. Bids may be withdrawn up to the date and hour set for closing. Once bids have been accepted by the City and closing has occurred, failure to enter into contract or honor the purchase order will be cause for removal of supplier's name from the City of Fort Collins' bidders list for a period of twelve months from the date of the opening. The City may also pursue any remedies available at law or in equity. Bid prices must be held firm for a period of forty-five (45) days after bid openings.

Submission of a bid is deemed as acceptance of all terms, conditions and specifications contained in the City's specifications initially provided to the bidder. Any proposed modification must be accepted in writing by the City prior to award of the bid.

Only bids properly received by the Purchasing Office will be accepted. All bids should be clearly identified by the bid number and bid name contained in the bid proposal.

No proposal will be accepted from, or any purchase order awarded, to any person, firm or corporation in default on any obligation to the City.

Bids must be furnished exclusive of any federal excise tax, wherever applicable.

Bidders must be properly licensed and secure necessary permits wherever applicable.

Bidders not responding to this bid will be removed from our automated vendor listing for the subject commodities.

The City may elect where applicable, to award bids on an individual item/group basis or on a total bid basis, whichever is most beneficial to the City. The City reserves the right to accept or reject any and all bids, and to waive any irregularities or informalities.

Sales prohibited/conflict of interest: no officer, employee, or member of City Council, shall have a financial interest in the sale to the City of any real or personal property, equipment, material, supplies or services where such officer or employee exercises directly or indirectly any decision-making authority concerning such sale or any supervisory authority over the services to be rendered. This rule also applies to subcontracts with the City. Soliciting or accepting any gift, gratuity, favor, entertainment, kickback or any items of monetary value from any person who has or is seeking to do business with the City of Fort Collins is prohibited.


Freight terms: unless otherwise noted, all freight is F.O.B. Destination, Freight Prepaid. All freight charges must be included in prices submitted on proposal.

Discounts: any discounts allowed for prompt payment, etc., must be reflected in bid figures and not entered as separate pricing on the proposal form.

Purchasing restrictions: your authorized signature of this bid assures your firm's compliance with the City's purchasing restrictions. A copy of the resolutions are available for review in the Purchasing Office or the City Clerk's Office. Request Resolution 91-121 for cement restrictions.

Collusive or sham bids: any bid deemed to be collusive or a sham bid will be rejected and reported to authorities as such. Your authorized signature of this bid assures that such bid is genuine and is not a collusive or sham bid.

Bid results: for information regarding results for individual bids send a self-addressed, self-stamped envelope and a bid tally will be mailed to you. Bid results will be posted in our office 7 days after the bid opening.


James B. O'Neill II, CPPO, FNIGP
Director of Purchasing and Risk Management

BID PROPOSAL

BID # 5710

Bid Opening: June 19, 2002, 2:30pm (our clock)

WE HEREBY ENTER OUR BID FOR THE CITY OF FORT COLLINS' REQUIREMENTS FOR THE ITEMS LISTED BELOW, PER THE BID INVITATION AND REFERENCED SPECIFICATIONS:

1.0 SCOPE

1.1 This specification establishes the minimum requirements for the purchase of:

Street Flusher Tank, Pumps and Control System

1.2 Should the manufacturer's current published data or specifications exceed the City's specifications, they shall be considered minimum and furnished.

2.0 BID CLARIFICATION

2.1 Clarification regarding these specifications shall be obtained from the Director of Purchasing and Risk Management prior to the time and date of the Bid Opening.

Any changes to these specifications will be made by a written addendum issued by the Director.

2.2 For questions concerning the bidding process and bid specifications, contact: Jim Hume, Buyer, Phone: 970-221-6776, Fax: 970-221-6707

For technical questions concerning this bid, contact: Ken Mannon, Operations Services Director, Phone: 970-221-6610, Fax: 970-221-6534.

3.0 DELIVERY

3.1 The date of delivery is an essential element of this proposal. Delivery of equipment shall be made to:

Equipment Services
835 Wood Street
Fort Collins, CO 80521

3.2 The word "delivery", as used in this specification, encompasses delivery of the actual equipment, as specified, complete with all necessary papers such as Manufacturer's Statement of Origin, application for title, invoice, warranty, shop, operator's and technical manuals, parts books, etc., as applicable.

3.3 All equipment must be completely washed and serviced in accordance with standard new equipment "make ready", and the manufacturer's specifications and be ready for delivery in drive away condition. A forty-five (45) day permit is to be included.

3.4 All units to be new and of the manufacturer's latest model in production at the time of delivery and standard equipped, unless otherwise specified. Time is of the essence. The City shall

be kept advised of any anticipated delay in delivery. In the event the successful bidder, hereinafter referred to as the Contractor, fails to properly perform delivery as specified above, within the specified time limit set forth by the Contractor in his bid proposal, the City shall sustain damages in an amount difficult to ascertain. Accordingly, after due allowance for any time extensions which are agreed by the City to be due to conditions beyond the Bidder's control, the Contractor shall be liable to the City, in the amount of Twenty-five (\$25) dollars as liquidated damages, and not as a penalty, for each and every calendar day that delivery is delayed. Additionally, no payment shall be made by the City for any delivery of specified equipment until all aspects of the contract have been fulfilled, unless pre-arranged and approved jointly by the Director of Purchasing and Risk Management and the Director of Fleet Services.

4.0 WARRANTY

- 4.1 The manufacturer shall unconditionally warrant the entire vehicle and all component parts, but not accessory equipment, for a warranty period of specified usage that is currently being offered in open trade for that vehicle at the time of delivery. Additionally, the Contractor shall furnish the City a fully priced copy (parts and labor) of any warranty or commercial cost repair order which originates in his repair facility, subsequent to delivery, during the warranty period. No charge for service calls, travel time, travel expenses, mileage, or per diem will be allowed by the City in connection with the performance of any warranty repairs.

5.0 DEALER IDENTIFICATION

- 5.1 No dealer identification will be allowed on any vehicle sold to the City of Fort Collins.

6.0 SPECIFICATIONS: Street Flushing Unit

6.1 Equipment bid on this proposal must meet or exceed the following minimum requirements. Any exceptions must be noted and listed on a separate sheet.

General: The following specifications describe a 4,000 gallon, low profile steel tank mounted on a cab/chassis and equipped for street flushing. All specifications shall be considered as minimum, and all bids equivalent or exceeding these specifications will be considered. The City may require on-site demonstrations and evaluations of proposed equivalent equipment before making a final award. Complete and up-to-date tank and flushing system specifications must accompany bid.

Tank will be mounted on a new Freightliner Condor cab/chassis with a 144" CA dimension and measuring 109" after center of tandem axles. Truck will be equipped with an Allison HD4560 transmission and set up for an engine-driven PTO. Successful bidder will be responsible for delivering the completed unit to the City of Fort Collins.

Installation of tank and flushing system are the responsibility of the successful bidder. The City will install a deicer system on the unit after delivery.

No.	Item	Description	Meets Spec?
6.2	Quantity:	One (1) unit	
6.3	Water Tank:	<p>Truck mounted, low-profile, elliptical steel tank Capacity: 4,000 US gallons Shell: Constructed of 7 gauge steel, ASTM 569 Heads: dished and flanged heads, welded inside and out Surge plates: Minimum of 3 plates. Constructed of 7 gauge steel, ASTM 569, dished and flanged. Plates must have staggered access holes and drain cutouts which will allow tank to be completely emptied. Manhole: Minimum 22" diameter with gasket and quick-release band clamp. Sump and suction lines: Sump with anti-vortex baffles, located in tank bottom. One 5" fitting and stainless steel pipe from sump to flusher system pump. One 2" pipe fitting with plug for later use as the suction line for a deicer system. Note: To allow unrestricted access to fittings and drains, sump must be located with at least 12" of clear space laterally and vertically from frame rails and crossmembers, driveline, suspension and other components. Sight gauges: Tube type sight gauges mounted on the front and rear tank bulkheads.</p>	

		<p>Overflow pipe: 3" minimum diameter, extending up into the manhole.</p> <p>Hydrant fill: 2-1/2" fill pipe with 5 – 6" anti-siphon air gap. Removable strainer at inlet end.</p> <p>Dome Rails: Dual safety rails, full length of tank.</p> <p>Epoxy coating: Interior of tank shall be properly prepared, cleaned and coated with an epoxy finish designed to withstand the corrosive action of liquid deicer compounds.</p>	
6.4	Water Tank Mounting:	Steel rails welded to tank and spring-mounted to truck frame on hardwood cushion strips or other acceptable flexible mounting system.	
6.5	Hydraulic System:	<p>Hydrostatic, load sensing system, driven from crankshaft driven Rexroth A10VO (or equivalent) pump.</p> <p>Hydraulic system must incorporate flow and pressure limiters or relief valves designed to prevent damage to pump and motor.</p> <p>Water pump drive motor shall be a Rexroth bent axis, AA2F motor (or approved equivalent) sized to the hydraulic pump and meeting the power requirements of the water pump.</p>	
6.6	Hydraulic Reservoir:	<p>Minimum 30 gallon hydraulic reservoir with 10 micron, spin-on, oil filter with 15 psi internal bypass valve mounted in flusher hydraulic system return line between hydraulic pump and tank.</p> <p>Shut off valve: Ball valve, mounted on tank in flusher hydraulic system suction line.</p> <p>Hydraulic oil cooler: Radiator mounted cooler designed to keep hydraulic oil under 160°F during full operation with an ambient air temperature of 100°F. Unit cooled by an electric fan is acceptable, but must operate only when water system is functioning.</p> <p>Reservoir must be equipped with a thermometer and an oil level sight gauge.</p> <p>Provision for City-installed deicer system:</p> <ul style="list-style-type: none"> - Extra 2" female bung with 100 micron mesh screen for deicer oil pump suction line. - 1" deicer oil pump return line plumbed at opposite end of tank from deicer suction. Return line must have a dip tube to avoid oil aeration. 	

6.7	Water Pump:	<p>Must be designed to produce 800 GPM at 150 psi at 1200 RPM engine speed. Water pressure measured at the nozzles.</p> <p>Impeller and case must be of cast iron. Service or replacement of impeller shall not require disassembly of plumbing or removal of pump from chassis.</p>	
6.8	Nozzles:	<p>Flusher nozzles – fan type, 3-piece fully adjustable bronze duckbill style.</p> <p>Sprinkler nozzles – 180 degree upright adjustable fan spray nozzles.</p> <p>Nozzles must be equipped with electric over air valves controllable from the operator’s station.</p> <p>Plumbing to nozzles shall be 3” on manifolds and 2-1/2” to individual heads.</p> <p>Nozzle locations:</p> <ul style="list-style-type: none"> - Below the front bumper, one flushing nozzle on each side. - Midships, one flushing nozzle on each side. - Rear, one sprinkler nozzle on each back corner of the tank. 	
6.9	Overspeed Protection:	<p>Automatic overspeed protection designed to prevent damage to system components when engine speed is outside the normal operating range. See Controls.</p>	
6.10	Automatic Water Pressure Control System:	<p>Sensing and control system designed to allow for constant water pressure within a vehicle speed range of 5 – 25 mph. See Controls.</p>	
6.11	Low Water Shutoff System:	<p>Shutoff system must warn operator when water level is low and then automatically stop flushing before water pump can be damaged.</p>	
6.12	Controls:	<p>All controls and indicators shall be mounted in the cab, grouped logically and within easy reach of the operator. At a minimum the following devices shall be installed.</p> <p>Pressure control: dial-type controller, 20 – 150 psi range.</p> <p>Pressure gauge: 0-300 psi</p> <p>Manual shut-off switch.</p> <p>Individual switches for each nozzle.</p> <p>Switches and controls for any other installed equipment.</p>	

6.13	Other Equipment:	<p>Full-width fenders covering rear truck tires. Formed steel channel bumper at rear. Ladder access to top of tank. Hose reel: Electric rewind with manual backup, with 100' of 1-1/2" rubber hose and adjustable brass nozzle. Control valve must be mounted between hose reel and tank.</p>	
6.14	Lighting and Safety:	<p>Lighting must comply with applicable Federal and State regulations. Stop, tail, and clearance lights must be recessed into corner plates mounted on tank. Stop and tail lights furnished by truck manufacturer must be installed on the truck frame.</p>	
6.15	Wiring & Wiring Connections:	<p>All electrical wiring must be run in conduit. All wire connections must be made in waterproof fittings designed for that purpose or be soldered with shrink-type water proof covering. No crimp-on connections will be accepted.</p>	
6.16	Paint:	<p>Water tank shall be painted white. Hydraulic oil tank and rear fenders shall be painted black. Contact the City with any other paint and finish concerns and questions.</p>	
6.17	Warranty:	<p>Minimum one-year manufacturer's warranty on tank and flushing system. Buyer will be supplied with individual component warranties if those exceed one year. Epoxy coating on inside of tank must be warranted, in writing, not to peel, flake or otherwise fail to adhere to the inner tank surface for a period of five years from delivery date.</p>	
6.18	Manuals:	<p>Unit must be delivered with flusher operator's manual and operating and parts manuals for tank, pumps, motors, and control systems.</p>	
6.19	Options:	<p>A. Poly water tank. Tank must be baffled and meet the general specifications of a metal tank. Provide a complete description along with pricing for this option.</p> <p>B. Water cannon. 2-1/2", with minimum 60 deg up/down, 75 deg left/right motion, with adjustable nozzle. Remote controls mounted inside the cab. Provide pricing for unit, cab controls and mounting of cab controls. Cannon mounting location will be specified at time of order.</p>	

		<p>C. Overhead rotating beacons. Two Target Tech 415011-02SB units mounted on a light bar on the truck cab. One identical unit mounted at the rear of and below the top of the tank. Provide pricing for Target Tech units, required mounting brackets, wiring (in conduit), in-cab controls and labor to install.</p> <p>D. Remote adjustable water nozzles. Normally closed, adjustable for angle and thickness of water stream. Electric over air valve controllable from the cab. Nozzle adjustments controllable from the cab. Price as a replacement for specified nozzles, including any additional wiring and controls.</p>
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7.0 BID PROPOSAL

Bid # 5710, Street Flusher Tank & System

7.1 UNIT DESCRIPTION

Make	Model	Year
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7.2

BASE PRICE, as specified, per unit	\$
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7.3 OPTIONS

A	\$	B	\$	C	\$	D	\$
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8.0 FREIGHT TERMS

Completed unit must be shipped to the City of Fort Collins, FOB destination, freight prepaid. All freight charges must be included in bid pricing.

9.0 DELIVERY

Delivery will occur _____ days after delivery of cab/chassis.

10.0 CONTRACTOR'S STATEMENT

I have read and fully understand all the conditions, specifications, and special instructions herein set forth above in paragraphs 1.0 through 9.0. I hereby agree to comply with all said conditions, special instructions, and specifications as stated or implied.

Signature:	Title:
Print Name:	
Company:	Date:
Street: City/State/Zip:	Phone #: Fax #:

BID PROPOSAL

BID # 5710

Bid Opening: June 19, 2002, 2:30pm (our clock)

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3.3 All equipment must be completely washed and serviced in accordance with standard new equipment "make ready", and the manufacturer's specifications and be ready for delivery in drive away condition. A forty-five (45) day permit is to be included.

3.4 All units to be new and of the manufacturer's latest model in production at the time of delivery and standard equipped, unless otherwise specified. Time is of the essence. The City shall be

kept advised of any anticipated delay in delivery. In the event the successful bidder, hereinafter referred to as the Contractor, fails to properly perform delivery as specified above, within the specified time limit set forth by the Contractor in his bid proposal, the City shall sustain damages in an amount difficult to ascertain. Accordingly, after due allowance for any time extensions which are agreed by the City to be due to conditions beyond the Bidder's control, the Contractor shall be liable to the City, in the amount of Twenty-five (\$25) dollars as liquidated damages, and not as a penalty, for each and every calendar day that delivery is delayed. Additionally, no payment shall be made by the City for any delivery of specified equipment until all aspects of the contract have been fulfilled, unless pre-arranged and approved jointly by the Director of Purchasing and Risk Management and the Director of Fleet Services.

4.0 WARRANTY

- 4.1** The manufacturer shall unconditionally warrant the entire vehicle and all component parts, but not accessory equipment, for a warranty period of specified usage that is currently being offered in open trade for that vehicle at the time of delivery. Additionally, the Contractor shall furnish the City a fully priced copy (parts and labor) of any warranty or commercial cost repair order which originates in his repair facility, subsequent to delivery, during the warranty period. No charge for service calls, travel time, travel expenses, mileage, or per diem will be allowed by the City in connection with the performance of any warranty repairs.

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6.0 SPECIFICATIONS: Street Flushing Unit

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Tank will be mounted on a new Freightliner Condor cab/chassis with a 144" CA dimension and measuring 109" after center of tandem axles. Truck will be equipped with an Allison HD4560 transmission and set up for an engine-driven PTO. Successful bidder will be responsible for delivering the completed unit to the City of Fort Collins.

Installation of tank and flushing system are the responsibility of the successful bidder. The City will install a deicer system on the unit after delivery.

No.	Item	Description	Meets Spec?
6.2	Quantity:	One (1) unit	
6.3	Water Tank:	<p>Truck mounted, low-profile, elliptical steel tank Capacity: 4,000 US gallons Shell: Constructed of 7 gauge steel, ASTM 569 Heads: dished and flanged heads, welded inside and out Surge plates: Minimum of 3 plates. Constructed of 7 gauge steel, ASTM 569, dished and flanged. Plates must have staggered access holes and drain cutouts which will allow tank to be completely emptied. Manhole: Minimum 22" diameter with gasket and quick-release band clamp. Sump and suction lines: Sump with anti-vortex baffles, located in tank bottom. One 5" fitting and stainless steel pipe from sump to flusher system pump. One 2" pipe fitting with plug for later use as the suction line for a deicer system. Note: To allow unrestricted access to fittings and drains, sump must be located with at least 12" of clear space laterally and vertically from frame rails and crossmembers, driveline, suspension and other components. Sight gauges: Tube type sight gauges mounted on the front and rear tank bulkheads.</p>	

		<p>Overflow pipe: 3" minimum diameter, extending up into the manhole.</p> <p>Hydrant fill: 2-1/2" fill pipe with 5 – 6" anti-siphon air gap. Removable strainer at inlet end.</p> <p>Dome Rails: Dual safety rails, full length of tank.</p> <p>Epoxy coating: Interior of tank shall be properly prepared, cleaned and coated with an epoxy finish designed to withstand the corrosive action of liquid deicer compounds.</p>	
6.4	Water Tank Mounting:	Steel rails welded to tank and spring-mounted to truck frame on hardwood cushion strips or other acceptable flexible mounting system.	
6.5	Hydraulic System:	<p>Hydrostatic, load sensing system, driven from crankshaft driven Rexroth A10VO (or equivalent) pump.</p> <p>Hydraulic system must incorporate flow and pressure limiters or relief valves designed to prevent damage to pump and motor.</p> <p>Water pump drive motor shall be a Rexroth bent axis, AA2F motor (or approved equivalent) sized to the hydraulic pump and meeting the power requirements of the water pump.</p>	
6.6	Hydraulic Reservoir:	<p>Minimum 30 gallon hydraulic reservoir with 10 micron, spin-on, oil filter with 15 psi internal bypass valve mounted in flusher hydraulic system return line between hydraulic pump and tank.</p> <p>Shut off valve: Ball valve, mounted on tank in flusher hydraulic system suction line.</p> <p>Hydraulic oil cooler: Radiator mounted cooler designed to keep hydraulic oil under 160°F during full operation with an ambient air temperature of 100°F. Unit cooled by an electric fan is acceptable, but must operate only when water system is functioning.</p> <p>Reservoir must be equipped with a thermometer and an oil level sight gauge.</p> <p>Provision for City-installed deicer system:</p> <ul style="list-style-type: none"> - Extra 2" female bung with 100 micron mesh screen for deicer oil pump suction line. - 1" deicer oil pump return line plumbed at opposite end of tank from deicer suction. Return line must have a dip tube to avoid oil aeration. 	

6.7	Water Pump:	<p>Must be designed to produce 800 GPM at 150 psi at 1200 RPM engine speed. Water pressure measured at the nozzles.</p> <p>Impeller and case must be of cast iron. Service or replacement of impeller shall not require disassembly of plumbing or removal of pump from chassis.</p>	
6.8	Nozzles:	<p>Flusher nozzles – fan type, 3-piece fully adjustable bronze duckbill style.</p> <p>Sprinkler nozzles – 180 degree upright adjustable fan spray nozzles.</p> <p>Nozzles must be equipped with electric over air valves controllable from the operator's station.</p> <p>Plumbing to nozzles shall be 3" on manifolds and 2-1/2" to individual heads.</p> <p>Nozzle locations:</p> <ul style="list-style-type: none"> - Below the front bumper, one flushing nozzle on each side. - Midships, one flushing nozzle on each side. - Rear, one sprinkler nozzle on each back corner of the tank. 	
6.9	Overspeed Protection:	<p>Automatic overspeed protection designed to prevent damage to system components when engine speed is outside the normal operating range. See Controls.</p>	
6.10	Automatic Water Pressure Control System:	<p>Sensing and control system designed to allow for constant water pressure within a vehicle speed range of 5 – 25 mph. See Controls.</p>	
6.11	Low Water Shutoff System:	<p>Shutoff system must warn operator when water level is low and then automatically stop flushing before water pump can be damaged.</p>	
6.12	Controls:	<p>All controls and indicators shall be mounted in the cab, grouped logically and within easy reach of the operator. At a minimum the following devices shall be installed.</p> <p>Pressure control: dial-type controller, 20 – 150 psi range.</p> <p>Pressure gauge: 0-300 psi</p> <p>Manual shut-off switch.</p> <p>Individual switches for each nozzle.</p> <p>Switches and controls for any other installed equipment.</p>	

6.13	Other Equipment:	<p>Full-width fenders covering rear truck tires.</p> <p>Formed steel channel bumper at rear.</p> <p>Ladder access to top of tank.</p> <p>Hose reel: Electric rewind with manual backup, with 100' of 1-1/2" rubber hose and adjustable brass nozzle. Control valve must be mounted between hose reel and tank.</p>	
6.14	Lighting and Safety:	<p>Lighting must comply with applicable Federal and State regulations.</p> <p>Stop, tail, and clearance lights must be recessed into corner plates mounted on tank. Stop and tail lights furnished by truck manufacturer must be installed on the truck frame.</p>	
6.15	Wiring & Wiring Connections:	<p>All electrical wiring must be run in conduit.</p> <p>All wire connections must be made in waterproof fittings designed for that purpose or be soldered with shrink-type water proof covering. No crimp-on connections will be accepted.</p>	
6.16	Paint:	<p>Water tank shall be painted white. Hydraulic oil tank and rear fenders shall be painted black.</p> <p>Contact the City with any other paint and finish concerns and questions.</p>	
6.17	Warranty:	<p>Minimum one-year manufacturer's warranty on tank and flushing system. Buyer will be supplied with individual component warranties if those exceed one year.</p> <p>Epoxy coating on inside of tank must be warranted, in writing, not to peel, flake or otherwise fail to adhere to the inner tank surface for a period of five years from delivery date.</p>	
6.18	Manuals:	<p>Unit must be delivered with flusher operator's manual and operating and parts manuals for tank, pumps, motors, and control systems.</p>	
6.19	Options:	<p>A. Poly water tank. Tank must be baffled and meet the general specifications of a metal tank. Provide a complete description along with pricing for this option.</p> <p>B. Water cannon. 2-1/2", with minimum 60 deg up/down, 75 deg left/right motion, with adjustable nozzle. Remote controls mounted inside the cab.</p> <p>Provide pricing for unit, cab controls and mounting of cab controls. Cannon mounting location will be specified at time of order.</p>	

		<p>C. Overhead rotating beacons. Two Target Tech 415011-02SB units mounted on a light bar on the truck cab. One identical unit mounted at the rear of and below the top of the tank.</p> <p>Provide pricing for Target Tech units, required mounting brackets, wiring (in conduit), in-cab controls and labor to install.</p> <p>D. Remote adjustable water nozzles. Normally closed, adjustable for angle and thickness of water stream. Electric over air valve controllable from the cab. Nozzle adjustments controllable from the cab. Price as a replacement for specified nozzles, including any additional wiring and controls.</p>
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7.0 BID PROPOSAL

Bid # 5710, Street Flusher Tank & System

7.1 UNIT DESCRIPTION

Make	Model	Year
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7.2

BASE PRICE, as specified, per unit	\$
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7.3 OPTIONS

A	\$	B	\$	C	\$	D	\$
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8.0 FREIGHT TERMS

Completed unit must be shipped to the City of Fort Collins, FOB destination, freight prepaid. All freight charges must be included in bid pricing.

9.0 DELIVERY

Delivery will occur _____ days after delivery of cab/chassis.

10.0 CONTRACTOR'S STATEMENT

I have read and fully understand all the conditions, specifications, and special instructions herein set forth above in paragraphs 1.0 through 9.0. I hereby agree to comply with all said conditions, special instructions, and specifications as stated or implied.

Signature:	Title:
Print Name:	
Company:	Date:
Street:	Phone #:
City/State/Zip:	Fax #: