



# CONTRACT DATA SHEET

Monroe County Division of Purchasing  
200 County Office Building, Rochester NY 14614

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**TITLE:** Truck Mounted Spray Injection Pothole Patcher

**CONTRACT #:** 316-11

**CONTRACT DATES:** 6/1/11-8/31/11

**BUYER:** WALTER B. LARAUS  
**PHONE:** 585/753-1121  
**FAX:** 585/753-1104

**VENDOR(S):** Patch Management  
451 Tyburn Rd.  
Fairless Hills, PA 19030

Ph: 215-949-9400  
Fax: 215-949-3166

## TERMS AND CONDITIONS

**BID ITEM:** Truck Mounted Spray Injection Pothole Patcher

**FOR:** Department of Transportation

**DEPARTMENT CONTACT:** Tony Halaris, (585) 753-7738

**DUPLICATE COPIES:** **PLEASE SUBMIT YOUR BID IN DUPLICATE; THE ORIGINAL AND ONE (1) COPY.**

**BID INFORMATION:** At the time of bid, the bidder shall supply detailed specifications covering the item(s) contained herein and shall clearly indicate any areas in which item or items offered do not fully comply with the specifications contained herein.

**SUBMITTAL OF FORMAL PROPOSAL:** Bid proposal must be legible and submitted in the original form, bearing an original signature. **COPIES AND FACSIMILES ARE NOT ACCEPTABLE.**

All bidders must submit proof that they have obtained the required **Workers' Compensation** and **disability benefits** coverage or proof that they are exempt.

**SPECIFICATION ALTERATIONS:** Specifications will be construed to be complete and be considered the entire description of the goods or services upon which Monroe County is now seeking bids. **Only formal written addenda can materially alter this set of specifications.** No verbal statement made by a Monroe County employee or anyone else is binding nor shall such statement be considered an official part of this public bid proposal.

**BRAND REFERENCE:** References to a manufacturer's product by brand name or number are done solely to establish the minimum quality and performance characteristics required. Bidders may submit bids on alternates, but must attach two (2) copies of manufacturer specifications for any alternate at the time of the bid. Further, the bidder must demonstrate that the alternate proposed has a sufficient operating track record to show the equipment will perform per the specified brand. The acceptance of a bidder's alternate rests solely with Monroe County.

**QUALIFIED BIDDER:** Each bidder must be prepared to present satisfactory proof of his capacity and ability to perform this contract. Such proof may include, but is not limited to, an inspection of the bidder's facilities and equipment, financial statements, references and performance of similar contracts. **The Purchasing Manager reserves the right to reject any bid where the bidder cannot satisfy the County as to their ability to perform.** Monroe County reserves the right to reject any and all bids if the Monroe County Purchasing Manager deems said action to be in the best interests of Monroe County.

**METHOD OF AWARD:** Monroe County intends to award the bid to the lowest responsive and responsible bidder, based on the **TWO (2) MONTH RENTAL**. Bidder must bid on all items to be considered. **The County reserves the right to reject any and all bids** if the Purchasing Manager deems said action to be in the best interest of the County.

**DELIVERY:**

All deliveries to be F.O.B. Monroe County to agency as specified by a Purchase Order. Delivery costs must be built into the unit prices bid. Deliveries must be made within **two (2) weeks** after receipt of purchase order number. The County reserves the right to terminate the contract in the event the specified delivery time is not met.

**PURCHASE ORDER  
ISSUANCE:**

Delivery of services may be directed by the receipt of a Purchase Order only. **Items that are not part of this bid will not be paid for by Monroe County.** As to all purchase orders issued by Monroe County, exceptions may only be authorized, in writing, by the Purchasing Manager or her authorized agent prior to delivery.

**BILLING  
PROCEDURE:**

All invoices for items sold any authorized agency as a result of this contract must be billed in the following manner: Purchase Order #, Quantity, Description of Item Purchased, BP#, Item #, Extension and Total. **ALL INVOICES MUST BE MARKED WITH THE PURCHASE ORDER NUMBER. INVOICES WITHOUT THIS INFORMATION WILL NOT BE PROCESSED FOR PAYMENT.**

**SUBCONTRACT:**

The Contractor shall not subcontract any work without first obtaining the written consent of the Monroe County Purchasing Manager.

**OTHER AGENCIES:**

The Contractor(s) must honor the prices, terms and conditions of this contract with political subdivisions, school districts, fire districts or other district or public authority located entirely or partly within Monroe County. Usage of this contract by any of these other political subdivisions or agencies or corporations will have to be coordinated between that subdivision or agency or corporations and the contractor. Orders placed against this contract between any subdivision or agency or corporation will be contracts solely between the Contractor(s) and those entities. Monroe County will not be responsible for, nor will it have any liability or other obligation for, such contract between the Contractor(s) and any third party.

**INDEMNIFICATION:**

The Contractor agrees to defend, indemnify and save harmless the County, its officers, agents, servants and employees from and against any and all liability, damages, costs or expenses, causes of action, suits, judgments, losses and claims of every name not described, including attorneys' fees and disbursements, brought against the County which may arise, be sustained, or occasioned directly or indirectly by any person, firm or corporation arising out of or resulting from the performance of the services by the Contractor, arising from any act, omission or negligence of the Contractor, its agents and employees, or arising from any breach or default by the Contractor under this Agreement. Nothing herein is intended to relieve the County from its own negligence or misfeasance or to assume any such liability for the County by the Contractor.

**SPECIFICATIONS**  
**FOR**  
**EQUIPMENT RENTAL**

**1.00 GENERAL**

**1.01 Scope:**

The MONROE COUNTY DEPARTMENT of TRANSPORTATION is seeking a qualified bidder to provide equipment rental. The following outline is intended to generally describe, specify and contract the equipment rental. The equipment shall be a Rasco RA300, Patch Management PK2000 or County-approved equal with option of one companion 1,200 gallon mobile asphalt emulsion storage trailer.

Notwithstanding the details presented in these specifications, it is the responsibility of the bidder to verify completeness of material lists and suitability of devices to meet the intent of the specifications.

**1.02 Contact Person:**

Tony Halaris  
City Place  
50 West Main Street, Suite 6100  
Rochester, NY 14614  
Phone: 585-753-7738

**1.03 Bidder Qualification:**

Each bidder must present satisfactory proof of his capacity to meet the terms of this specification including but not limited to appropriate staff, inventory and equipment. The County shall have the sole responsibility for determining, from the information submitted by the apparent low bidder, if the proposal meets the specifications. Should the apparent low bidder fail to meet the requirements of the specifications as determined by the County's review of the bidder's submissions, the bid shall be rejected and the next bidder shall be considered the low bidder. Bidders will not be allowed to submit the proposal a second time. However, additional supplementary information may be submitted, if required by the County. Each bidder must allow the contact person or his designee to inspect the bidder's equipment to verify his capacity to fulfill needs of the County.

**1.04 Training and Follow-Up:**

Contractor shall supply an authorized in-service instructor with sufficient experience to train Monroe County staff to use said unit. Mechanical and maintenance service school shall be included for a period of 8 hours. This shall include: manuals, hands-on garage training and Asphalt Institute manual of practice book with references to spray injection. This training will be held at locations specified by the department. Operator training shall be for a period of 16 hours consisting of 8 hours classroom training and 8 hours in-field operations/hands-on experience.

**1.05 Maintenance And Support Of Rental Equipment:**

1. The vendor shall be responsible for the full performance capability of all equipment listed in the bid.
2. Insure that equipment is fully functional at all times.
3. Provide replacement of normal wear parts.
4. Provide on-call technical assistance.

5. Provide initial training program on use and care of equipment for best performance.
6. Make available all supplies, tools and other furnishings required to support and maintain the rental equipment.

## 2.00 TECHNICAL SPECIFICATIONS

### a. Definitions:

Lessor - The Contractor awarded this contract

Lessee - Monroe County

### b. Rental Rates:

It is understood and agreed upon that the rental rates specified on the unit price sheet are based upon defined hours of the lessee's right to possession of and maximum use of the equipment rented.

### c. Rental Period:

It is the lessee's intent to utilize the equipment for two (2) consecutive months with an option of one (1) additional month. The intended start date is approximately June 27, 2011. The rental period shall begin on the date and time of acceptance of the equipment by the lessee and shall end at the time and date of the lessee's verbal notification to the lessor that the equipment is no longer needed. If the lessor chooses to delay picking up the equipment, thereby leaving it on the lessee's property **an additional day or more beyond the monthly rental period**, he may do so as long as this is mutually agreeable between the two parties. However, there will be no additional charge for the equipment to the lessee once the lessor is notified that the equipment is no longer needed.

### d. Equipment:

The lessor shall use reasonable care to see that the equipment is in proper working condition before shipment to the lessee. In the event of notice to the lessor by the lessee that the equipment is not in good, safe and serviceable condition and fit for use upon its arrival, the lessor shall have the obligation to put the equipment in good, safe and serviceable condition within a reasonable length of time. If this cannot be done then the lessor will provide a different but similar piece of equipment to the lessee for its use.

## 2.01 Responsibility of the Lessor:

- a. The Lessor will deliver the unit to the yard (or designated place of delivery) and train the personnel who are to use the unit in the operation and daily maintenance as described in the operator's manual.
- b. The rental price will include all maintenance and normal wear and tear. The Lessor will repair or replace the unit within twenty-four (24) hours of notification of the unit being down. Rental will be suspended for each full day that the unit is unavailable for use due to required repairs.

## 3.00 PROCESS DESCRIPTION

The Asphalt Spray Machine shall be designed and constructed to repair larger cracks, potholes and broad areas. The Asphalt Patching Machine should be completely controlled by one person from the driver's position of the cab with no support equipment necessary. This machine must be capable of patching at temperatures as low as 0 degrees F. Operational features of the equipment provided shall use air volume to:

1. **Clean** - dust shall be removed from the pothole by high velocity air flow, creating a clean, hard surface.

2. **Tack** - a mixture of air and asphalt emulsion spray shall be applied as a binder for the pothole repair.
3. **Fill and Compact** - a mixture of air, asphalt and aggregate shall be applied at a high velocity to fill and compact the pothole.
4. **Dry Coat** - a mixture of air and aggregate shall be applied to permit traffic on the repaired area.
5. **Patch on the go** - without auxiliary engine. This function allows the unit to be able to move while patching.

#### **4.00 TRUCK MOUNTED ASPHALT SPRAY PATCHING MACHINE**

##### **4.01 General:**

The intent is to describe the requirements of a truck cab and chassis equipped with automated asphalt patch equipment and accessories. The equipment shall be complete, fully operational and ready for service when delivered.

The contractor is to provide one (1) set of manuals for each unit. Manual to cover complete operation and routine maintenance for each and every assembly system and/or component that makes up the unit. The manuals shall be delivered directly to the agency upon delivery of the first unit.

##### **4.02 Chassis:**

Minimum chassis requirements: cab forward design minimum, GVW, front axle -12,000 lbs. Rear axle - 21,000 lbs; air brakes with CFM compressor minimum; engine 215 Hp; wheelbase should be approximately 170" with an effective cab to axle of 138".

##### **4.03 Gross Vehicle Weight Rating:**

Must be a minimum of 33,000 pounds

##### **4.04 Dimensions:**

Wheelbase of the vehicle shall be approximately of 110" axle to axle. Cab to axle dimension shall be approximately 138".

##### **4.05 Turning Diameter:**

Operating conditions of the equipment specified; cul-de-sacs, narrow streets, steep grades and other confining parameters dictate the maximum maneuverability possible. The unit specified shall have a maximum turning diameter of fifty-one feet (51'). This dimension shall be the "curb to curb" diameter as measures from the outside front tire tracing a 360° circle.

##### **4.06 Engine and Equipment:**

Engine shall be electronic, diesel fueled, turbo-charged, in-line six (6) cylinders, four (4) cycles. The engine shall be rated at a minimum S.A.E. gross horsepower of 250 at 2200 RPM. Engine displacement shall not be less than 7.8 liters. Engine specified shall develop a minimum S.A.E. gross torque of 800 foot-pounds 1450 RPM. Maximum engine speed 2400 RPM.

##### **4.07 Fuel Tank:**

Shall be a minimum of fifty (50) U.S. gallons total capacity.

##### **4.08 Transmission:**

Shall be 6-speed automatic Allison 3000 RDS Series or equal with dash mounted push-button shift selector.

#### **4.09 Hydraulics:**

Should be dual hydraulic pump with a minimum 10 GPM per section driven directly from the truck PTO. All hoses shall meet SAE SPEC 2000 PSI working pressure, 6000 burst pressure minimum. Unit shall have a minimum of 20 gallon hydraulic reservoir with provisions for drain and clean out. Unit must include minimum 10-micron filtration system with site gauge and temp rating. Unit shall be supported from chassis power plant only, unit must have patch on the move capabilities.

#### **4.10 Air System:**

Shall be 4' x 4' high volume, low pressure-positive displacement blower and shall be hydraulically driven by truck PTO and capable of 450 CFM. Inlet air to blower must be filtered through a highly efficient industrial permanent usable dry type air cleaner (never needs replacement) and equipped with a suitable silencer to reduce blower noise. Cab mounted pressure-sensing gauge is included.

#### **4.11 Aggregate System:**

The aggregate tank shall hold a minimum of 5 cubic yards of aggregate. The tank to be equipped with a cover to prevent aggregate from bouncing out when transported and to seal the tank so it can be pressurized to equalize the pressure developed in the feed hose. The tank should have the ability to feed aggregate to the air feed system with no conveyors, augers and hydraulic pumps/motor mechanisms. The aggregate should be metered into the air system without the use of mechanical air lock or water pad type positive feed systems. This system should have no moving wear parts and should be capable of delivering up to 22,000 pounds of aggregate per hour to the aggregate placement nozzle. The system should be designed to work with local aggregate up to  $\frac{3}{4}$  in size and should not be adversely affected by fines or dirty material. The aggregate flow should be remotely adjustable, allowing the gates to open and close without resetting the rate.

#### **4.12 Aggregate Heating and Vibrating Systems:**

- a. The unit shall have an aggregate heating and an aggregate vibrating system to be used with the above equipment. The aggregate heating system shall allow the rock to remain fluid in freezing conditions.
- b. The aggregate vibrator system shall allow for the dislodging of bridged material if the material becomes lodged in the aggregate hopper.
- c. These systems will be needed in winter or in adverse weather conditions to ensure an easier, smoother distribution of aggregate.

#### **4.13 Liquid Asphalt Emulsion Tank:**

The unit shall be equipped with a 400 gallon liquid emulsion tank (ASME certified). The tank is to be insulated with a minimum of 4" of insulation and completely covered by a weather tight skin. The tank shall be heated by two (2) 4500 watt 240 volt thermostatically controlled heater elements operating at 120 volts. An alternative heat source shall be provided to maintain heat on work site and shall be regulated automatically to prevent over or under heating of materials.

The alternative heat systems should be equipped with a  $\frac{1}{2}$  inch hose delivery into a water flue supplied from the truck engine at 150° thermostatically controlled. Fill opening for asphalt should be a minimum of 12". A 5" dial thermometer and an emulsion level indicator, visible from the operator's cab shall be attached to the emulsion tank.

#### **4.14 Asphalt Emulsion Feed and Flush System:**

The asphalt air system shall be pressurized to deliver asphalt to completely cover aggregate at full feed capacity. The delivery system should be capable of maintaining 60 PSI throughout the petroleum resistant delivery hose. The emulsion shall be drawn from the bottom part of the tank to maintain good circulation over the heat tube. The tank should be equipped with easy access 3-way valve with flush and delivery positions. The flush system should have 30-gallon minimum capacity and should have provisions for storing used flush material (ASME certified). Asphalt controls must be equipped to have cable shut-off redundancy assuring operators shut off control in case of power failure. All tanks must be ASME setup when operating pressure is 65 PSI.

#### **4.15 Enviro-Flush System:**

The Patcher must be equipped with a combination of high pressure valves in order to clear the lines and a compressed air system to blow the material back into the storage tanks.

#### **4.16 Recycling System:**

The unit must be capable of reusing the flush material, utilizing an onboard tank to prevent any external exposure, eliminating any environmental consequences.

#### **4.17 Boom Assembly:**

The patcher shall be equipped with a 3-stage Telescopic boom, constructed of wear-resistant material (Not PVC pipe). Shall be one piece hydraulic double acting cylinder design boom shall swing, hoist and extend with mounted nozzle assembly that delivers air, aggregate and asphalt and shall be equipped with a mechanical device that locks in vertical position and a 1" locking pin for preventing swing while in the stowed position.

#### **4.18 Operator Controls and Features:**

All operator controls shall be at easy access from the driver's position. The unit shall be designed so that all patching, function cleaning of the surfaces, tack coat and application of high density patch and dust coating can easily be performed from the driver's position. Driver's emulsion control valve must have easy On/Off momentary controls from the operator's joystick. Joysticks to control Boom In/Out, Boom Left/Right, Emulsion Valve Open/Close. Aggregate gate must be equipped with all standard clearance and warning lights. The control panel must be equipped with a combination of digital gauges with monitoring capabilities for rock level indicator, asphalt level indicator, back flush system clear line indicator and flushing system indicator.

### **5.00 METHOD OF AWARD**

Bid will be awarded to the bidder with the lowest two (2) month rental price for the Injection Spray Patch Equipment that satisfactorily meets all other terms, conditions and details of the Injection Spray Patch Equipment specification. The minimum rental period will be two months.

No award consideration will be given to the pricing for the additional month pricing in excess of the initial two (2) month rental period. The County reserves the right to extend the rental period for one additional month at the unit price bid.

**UNIT PRICE SHEET**

\$9,950.00/month

**MONROE COUNTY PURCHASING**  
**Vendor Performance Survey**

**Contract Title:**

**Contract Number:**

**Vendor:**

Please rank the vendor performing the contract specified on a scale from "1" to "10" with "1" being poor, "5" average and "10" excellent. Please include any additional comments or suggestions in the space provided below. Monroe County Purchasing appreciates your input.

|  | Poor |   |   |   | Average |   |   |   |   | Excellent |
|--|------|---|---|---|---------|---|---|---|---|-----------|
|  | 1    | 2 | 3 | 4 | 5       | 6 | 7 | 8 | 9 | 10        |
| Item(s) supplied met specifications  |      |   |   |   |         |   |   |   |   |           |
| Product provided value (taking into account price, quality, etc.)  |      |   |   |   |         |   |   |   |   |           |
| Timeliness of delivery   |      |   |   |   |         |   |   |   |   |           |
| Completeness and accuracy of order   |      |   |   |   |         |   |   |   |   |           |
| Ability to contact representatives of vendor when needed? (If unavailable was call back prompt?)                                     |      |   |   |   |         |   |   |   |   |           |
| Invoices received promptly and accurately  |      |   |   |   |         |   |   |   |   |           |
| Recommendations received from the vendor (i.e. product information, cost saving strategies, ideas for better use of resources, etc.) |      |   |   |   |         |   |   |   |   |           |

**Survey Completed by:**

**Name:**

**Title:**

**Agency:**

**Telephone:** \_\_\_\_\_ **Fax:**

**E-mail:**

***Please submit this survey to Monroe County Purchasing.***