

# Request for Quote

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS  
 ONE CAPITOL HILL  
 PROVIDENCE RI 02908

**CREATION DATE :** 11-SEP-12  
**BID NUMBER:** 7458048  
**TITLE:** FIRE PROTECTION SYSTEMS INSPECTIONS,  
 TESTING AND SERVICE - URI  
  
**BLANKET START :** 01-NOV-12  
**BLANKET END :** 30-SEP-15  
**BID CLOSING DATE AND TIME:**15-OCT-2012 10:00:00

**BUYER:** Mosca, Gary  
**PHONE #:** 401-574-8124

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**URI ACCOUNTS PAYABLE**  
**CARLOTTI ADMINISTRATION BLDG**  
**75 LOWER COLLEGE ROAD, SUITE 1**  
**KINGSTON, RI 02881**  
**US**

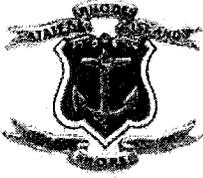
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**URI SPECIAL INSTRUCTIONS**  
**SEE BELOW**  
**SEE BELOW, RI N/A**  
**US**

**Requisition Number: 1286237**

Note to Bidders: Questions concerning this solicitation may be emailed to [gary.mosca@purchasing.ri.gov](mailto:gary.mosca@purchasing.ri.gov) no later than 10/02/12 @ 12:00 NOON (EST). Questions should be submitted in a Microsoft word attachment. Please reference the RFQ # on all correspondence. Questions received if any, will be posted on the internet as an addendum to this solicitation. It is the responsibility of all interested parties to download this information

Line	Description	Quantity	Unit	Unit Price	Total
1	<p>THERE WILL BE A MANDATORY PRE-BID CONFERENCE HELD MONDAY OCTOBER 1ST, 2012 @ 10:00 AM (EST).</p> <p>LOCATION: PUBLIC SAFETY            44 LOWER COLLEGE RD            KINGSTON, RI            2ND FLOOR CONFERENCE ROOM</p> <p>11/01/12-9/30/13 Hourly rate on site for a sprinkler fitter for work as needed.</p>	40.00	Hour		
2	10/1/13-9/30/14 Hourly rate on site for a sprinkler fitter for work as needed.	40.00	Hour		
3	10/1/14-9/30/15 Hourly rate on site for a sprinkler fitter for work as needed.	40.00	Hour		
4	11/01/12-9/30/13 Hourly rate on site for a sprinkler apprentice for work as needed.	40.00	Hour		
5	10/1/13-9/30/14 Hourly rate on site for a sprinkler apprentice for work as needed.	40.00	Hour		
6	10/1/14-9/30/15 Hourly rate on site for a sprinkler apprentice for work as needed.	40.00	Hour		
7	11/01/12-9/30/13 Hourly rate on site for a overtime for a sprinkler fitter for work as needed.	20.00	Hour		
8	10/1/13-9/30/14 Hourly rate on site for a overtime for a sprinkler fitter for work as needed.	20.00	Hour		
9	10/1/14-9/30/15 Hourly rate on site for a overtime for a sprinkler fitter for work as needed.	20.00	Hour		
10	11/01/12-9/30/13 Hourly rate on site for a overtime for a sprinkler apprentice for work as needed.	20.00	Hour		
11	10/1/13-9/30/14 Hourly rate on site for a overtime for a	20.00	Hour		

It is the Vendor's responsibility to check and download any and all addenda from the RIVIP. This offer may not be considered unless a signed RIVIP generated Bidder Certification Cover Form is attached and the Unit Price column is completed. The signed Certification Cover Form must be attached to the front of the offer



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Line	Description	Quantity	Unit	Unit Price	Total
	sprinkler apprentice for work as needed.				
12	10/1/14-9/30/15 Hourly rate on site for a overtime for a sprinkler apprentice for work as needed.	20.00	Hour		
13	Quaterly Inspection, testing and maintenance as described in the attached. (4 per year x 3 years)	12.00	Each		
14	Quaterly Releasiung Systems inspection as described in the attached. (4 per year x 3 years)	12.00	Each		
15	100% tested every quarter as required. (4 per year x 3 years)	12.00	Each		
16	Fire Pump annual flow tests (1 per year x 3 years)	3.00	Each		
17	Obstruction investigation (assume once per contract period). PROVIDE A PERCENT DISCOUNT OFF LIST PRICE FOR ITEMS AS NEEDED _____ %	1.00	Each		

Delivery: \_\_\_\_\_

Terms of Payment: \_\_\_\_\_

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## Sprinkler Blanket Specs 2012 URI

To provide inspections, testing, and 24 hr. servicing of the University's fire protection systems, in accordance with RI Law and NFPA 25, 20, and 14, as appropriate. Reports shall comply with NFPA 25, 20, 14, and include all information as included in the sample report (**Exhibit E, F, and G**). These reports shall be completed and submitted quarterly to URI Public Safety, 177 Plains Road, Kingston, RI 02881. A minimum of 48 hours notice shall be required, for an appointment, to inspect and test. This appointment shall be made by calling URI Public Safety at 401-874-2010. Buildings included under this agreement are attached as **Exhibit A**. Additional buildings shall be added as necessary, quotes must be submitted for approval or as an hourly rate.

In addition the University shall provide an FM Global fire protection inspection form for each building. This form must be completed by the vendor at the time of each quarterly inspection. A sample of this form is attached as **Exhibit C**.

Also, the vendor shall provide a cost associated with a Trip Test of all dry systems. These costs shall be used to determine if the University will require an annual or per contract frequency of these tests. Dry systems covered by this contract are listed as **Exhibit B**.

In addition fire pump testing and maintenance shall be included, as part of this blanket. Fire pumps shall be inspected and tested in accordance with the laws of the state of RI and NFPA 20 regulations. The fire pumps shall be flow tested annually. The per-test cost of these tests shall be included and itemized per building. Building fire pumps included in this contract are listed as **Exhibit D**.

Also, included shall be 3 Pre-action systems associated with Dining Services, and the Ocean Science and Exploration Center, at the Narragansett Bay Campus. These systems and associated equipment shall be tested 100% quarterly, as required by law.

An obstruction investigation shall be performed on all wet systems once per contract period. Also, an obstruction investigation shall be conducted once per contract period on all systems listed on **Exhibit B**.

The following itemized charges pertain to these specifications as described and are to be priced on the bid form:

Hourly rate for a sprinkler fitter M-F 8am-4pm estimate 40 hrs. per. year  
Hourly rate for a sprinkler apprentice M- F 8am-4pm estimate 40 hrs. per year  
After hours hourly rate estimate 20 hrs. per year  
Quarterly ( 4 times per year) Inspection, testing and maintenance  
Quarterly (4 times per year) Releasing systems inspection  
100% tested every quarter as required  
Fire pump annual (once per year) flow tests  
Obstruction investigation - assume once per contract period  
% off list price for materials, assume an annual list cost \$5,000.00

**Exhibit A – Page 1**

Aldrich Hall
Alumni Center
Atmospheric Chemistry Bld
Ballentine Hall
Barlow Hall
Bliss Hall
Boss Ice Arena
Bressler Hall
Browning Hall
Butterfield Hall Wet
Burnside Hall
Butterfield Hall Dry
Carlotti Administrative Building
CBLS
Chafee Building
Coastal Institute
Coastal Institute (NBC)
Coddington Hall
College of Pharmacy
Davis Hall
Dining Services Warehouse Wet
Dining Warehouse pre-action
Dorr
East Hall Dry
Eddy Hall (West Side Suites)
Edwards Auditorium
EMS/Warehouse
Fayerweather Hall
Feinstein Building Wet
Feinstein Building Dry
Fine Arts Center
Garrahy Hall
Gilbreth
Gorham Hall
Green Hall Wet
Green Hall Dry
Heathman Hall
Hopkins Hall
Hope Dining
Hutchinson Hall Wet
Hutchinson Hall Dry
Swan Hall
Independence Square
Independence Square II
Keaney Gym
Tootell Aquatics Center
Kingston Fire Station
Kirk Engineering
Library
Lippitt

**Exhibit A - Page 2**

Mackal Field house
Marine Resource Dry
Merrow Hall Wet
Merrow Hall Dry
Multicultural Center
Multicultural Dry
Memorial Union
Newman Hall
OSEC (NBC)
Peck Hall Wet
Peck Hall Dry
Ranger Hall
Rodman Hall
Ryan Center Wet
Ryan Center Sprinkler System #1 Dry
Ryan Center Sprinkler System #2 Dry
Steam Plant
Surge Bldg.
Sycamore Lodge, 401 Victory Highway
Taft Hall Dry
Tucker Hall
Tucker Hall Dry
Tyler Hall
U-Club
URI Foundation
Washburn Hall Dry
Water station (NBC)
Watkins Marine Science Lab (NBC)
Weldin Chiller
Weldin Hall
White Hall
Wiley Hall

**Exhibit B - Dry systems:**

Butterfield Hall
CBLS loading dock 2½" Reliable
Davis 4" Grinnell
Dining Warehouse pre-action Viking
East Hall 4" Grinnell
Feinstein Building (Main Campus) 4" victaulic
Green Hall 2 -6" Reliable
Hutchinson Hall
Lippitt Hall
Marine Resources(NBC)
Morrow Hall
Multicultural Hall
Peck Hall
Ranger Hall 6" Grinnell
Ryan Center # 1 - 4" victaulic
Ryan Center # 2 - 4" victaulic
Taft Hall
TuckerHall
U-Club 4" fire Lock
Washburn Hall 6" Grinnell

## Fire Protection Inspection Form

Account Number:

Index Number:

<b>Sample Only</b>	No one form can be designed to fit all conditions. Use this sample as a basic guide in developing your own form. Items that do not apply can be omitted; other items can be expanded or added as desired. <b>For assistance, consult the FM Global engineer who visits your facility, and reference FM Global Data Sheet 2-81, Fire Protection System Inspection, Testing and Maintenance and other Fire Loss Prevention Inspections.</b>
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<b>Instructions to Inspector:</b>	Complete this form while inspecting fire protection. Send the completed form to your supervisor for necessary action. The report should be held for review by the FM Global engineer who visits your facility.
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Facility:	Location:	Date:
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**Valve Inspections**  
**Visually inspect all locked valves weekly and physically try them monthly as required.\* Record both weekly and monthly inspections.**

\*Physically try gate valves, including nonindicating and indicator-post-gate valves. FM Approved post-indicator-valve assemblies (PIVAs), indicating-butterfly valves (IBVs) and standard outside-screw-and-yoke (OS&Y) valves do not have to be tried, but should be checked visually at close range.

All inside and outside valves controlling sprinklers or fire protection water supplies are listed below. Check the condition of the valve. Do not report a valve open unless you have personally inspected it.

	Valve Location	Area Controlled	Open	Shut	Locked	Physically Turned
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						

The FM Global *Red Tag Permit System* is used to guard against delayed reopening of valves. The *Red Tag Permit* should be used every time a sprinkler control valve is closed. When the valve is reopened, the 2-in. (51-mm) drain should be flowed wide-open to ensure there is no obstruction in the piping. The valve then should be relocked.

Were any valves closed since the last inspection?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Were FM Global <i>Red Tag Permits</i> used?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Was the valve(s) reopened fully and a 2-in. (51-mm) drain test conducted before the valve(s) was relocked?	<input type="checkbox"/> Yes	<input type="checkbox"/> No

Inspect These Items At Least Weekly

<b>SPRINKLERS</b>	<b>Automatic Sprinklers</b>	Spare heads available? <input type="checkbox"/> Yes <input type="checkbox"/> No				Obstructed by high piling (18- to 36-in. [46- to 91-cm] clearance)? <input type="checkbox"/> Yes <input type="checkbox"/> No			
		Heat adequate to prevent freezing (40° F [4° C] min.)? (Note broken windows, etc.) min. temp.				Water Pressure	Psi at yard level:		
	Any heads disconnected or needed:				Comments:				
<b>DRY-PIPE VALVES</b>	<b>Valve Room Properly Heated?</b>	No. 1 Min.: 42° F/6° C Measured: F/C	No. 2 Min.: 42° F/6° C Measured: F/C	No. 3 Min.: 42° F/6° C Measured: F/C	No. 4 Min.: 42° F/6° C Measured: F/C				
	<b>Air Pressure</b>	No. 1 Min.: psi/bar Measured: psi/bar	No. 2 Min.: psi/bar Measured: psi/bar	No. 3 Min.: psi/bar Measured: psi/bar	No. 4 Min.: psi/bar Measured: psi/bar				
<b>WATER SUPPLIES</b>	<b>Fire Pump</b>	Fire pump pressure: Start Stop				Packings cool? <input type="checkbox"/> Yes <input type="checkbox"/> No			
		Jockey pump pressure: Start Stop				Fuel tank level (3/4 min.)			
		Pump room properly heated? ( ° __ F/C min.) Temp. ° F/C		Properly ventilated? <input type="checkbox"/> Yes <input type="checkbox"/> No		Fire pump started on automatic? <input type="checkbox"/> Yes <input type="checkbox"/> No			
	<b>Tank or Reservoir</b>	Full? <input type="checkbox"/> Yes <input type="checkbox"/> No		Time to overflow tank: Mins.		Heating system in use? <input type="checkbox"/> Yes <input type="checkbox"/> No			
		Temp. at cold water return (should be 42° F [6° C] min.):				Circulation good? <input type="checkbox"/> Yes <input type="checkbox"/> No			
<b>Inside Hose</b>	In good condition? <input type="checkbox"/> Yes <input type="checkbox"/> No				Accessible? <input type="checkbox"/> Yes <input type="checkbox"/> No				
<b>Fire Doors</b>		Condition:		Close properly? <input type="checkbox"/> Yes <input type="checkbox"/> No		Obstructed? <input type="checkbox"/> Yes <input type="checkbox"/> No		Blocked open? <input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>OCCUPANCY</b>	<b>General Order Neatness</b>	Good? <input type="checkbox"/> Yes <input type="checkbox"/> No		Combustible waste removed on schedule? <input type="checkbox"/> Yes <input type="checkbox"/> No		How often?			
		Presence of combustible dust, lint or oil deposits on ceilings, beams, machines? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, arrange for cleaning and investigate the source.				List areas needing attention, including yard:			
	<b>Electrical Equipment</b>	Defects noted? <input type="checkbox"/> Yes <input type="checkbox"/> No							
	<b>Flammable Liquid</b>	Safety cans used? <input type="checkbox"/> Yes <input type="checkbox"/> No		Low-level vent fans on? <input type="checkbox"/> Yes <input type="checkbox"/> No		Flammable liquid cabinets used? <input type="checkbox"/> Yes <input type="checkbox"/> No		Grounding straps, self-closing faucets and safety buns in use? <input type="checkbox"/> Yes <input type="checkbox"/> No	
	<b>Smoking Regulations</b>	Locations where violations noted:				Corrective action taken:			
	<b>Hot Work</b>	Permits issued for all hot work applications? <input type="checkbox"/> Yes <input type="checkbox"/> No				Listed precautions taken? <input type="checkbox"/> Yes <input type="checkbox"/> No			
<b>Storage</b>	Well-arranged? <input type="checkbox"/> Yes <input type="checkbox"/> No		Aisles clear? <input type="checkbox"/> Yes <input type="checkbox"/> No		Clear of lamps, heaters (36 in. [91 cm] min.)? <input type="checkbox"/> Yes <input type="checkbox"/> No				
Other items:									

Inspect These Items At Least Monthly

<b>MANUAL PROTECTION</b>	<b>Extinguishers</b>	Charged? <input type="checkbox"/> Yes <input type="checkbox"/> No		Any missing? <input type="checkbox"/> Yes <input type="checkbox"/> No		Accessible? <input type="checkbox"/> Yes <input type="checkbox"/> No		Location of extinguishers needing attention:	
	<b>Yard Hydrants and Hose</b>	Condition: No. 1 No. 2		No. 3 No. 4		No. 5 No. 6		No. 7	
		Hydrants drained? <input type="checkbox"/> Yes <input type="checkbox"/> No		Remarks:					
Other items:									

Inspect These Items At Least Quarterly

<b>Sprinkler Alarms</b>	Tested? <input type="checkbox"/> Yes <input type="checkbox"/> No		Time for alarm	Operation satisfactory? (If no, comment below.) <input type="checkbox"/> Yes <input type="checkbox"/> No	
Other items:					

Inspected by:	Date:
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**Exhibit D - Fire Pumps:**

Center for Biological and Life Sciences
College of Pharmacy
Eddy Hall
Fine Arts Center (Diesel)
Narragansett Bay Campus
Ryan Center
Wiley Hall





		Y	N/A	N
<b>B-1.0 Annual Inspection of Hydraulic System:</b>				
B-1.1 Suction pressure gauge: _____ psi				
B-1.2 Discharge pressure gauge: _____ psi				
B-1.3 Pump starting pressure: _____ psi				
B-1.4 Suction line control valves sealed open:				
B-1.5 Discharge line control valves sealed open:				
B-1.6 By-pass line valves sealed open:				
B-1.7 All control valves accessible:				
B-1.8 Suction reservoir full:				
B-1.9 Shaft seals dripping water properly: (1 drop per second)				
B-1.10 System free of vibration or unusual noise:				
B-1.11 Packing boxes, bearings, pump casing free of overheating:				
<b>Comments:</b>				
S.A.M.A.N.				
<b>B-2.0 Annual Inspection of Electrical Pump System:</b>				
B-2.6 Isolating switch closed-standby emergency source:				
B-2.7 Normal phase rotation pilot light "ON":				
B-2.8 Reverse phase alarm pilot light "OFF":				
B-2.9 Oil level in vertical motor sight glass is in the normal range:				
<b>Comments:</b>				
S.A.M.A.N.				
<b>B-3.0 Annual Inspection of Diesel Engine System:</b>				
B-3.1 Diesel tank % full:				
B-3.2 Batteries fully charged:				
B-3.3 Battery charger operating properly:				
B-3.4 Battery terminals clean:				
B-3.5 Battery state of charge checked:				
B-3.6 Battery pilot lights "ON":				
B-3.7 Battery failure pilot lights "OFF":				
B-3.8 Electrolyte level in batteries normal:				
B-3.9 All alarm pilot lights "OFF":				
B-3.10 Engine running time meter recording pump operation properly:				
B-3.11 Oil level in right angle gear drive normal:				
B-3.12 Diesel engine oil level full:				
B-3.13 Diesel engine water level full:				
B-3.14 Water jacket heater appears working properly:				
B-3.15 Water jacket cooling drip tight:				
B-3.16 Diesel engine hoses in good condition:				
B-3.17 Coolant antifreeze protection adequate:				
B-3.18 Cooling water strainer clean:				
B-3.19 Solenoid valve operating correctly:				
B-3.20 Bearings and valves lubricated:				
<b>Comments:</b>				
S.A.M.A.N.				
<b>B-4.0 Annual Inspection of Steam Pump Systems:</b>				
B-4.1 Steam pressure gauge reading normal: _____ psi				
B-4.2 Record time required to reach running speed: _____ min _____ sec				
B-4.3 Weekly test conducted and results recorded:				
<b>Comments:</b>				

Inspector's initial \_\_\_\_\_ (All "NO" answers to be fully explained.) Owner/designated rep. initial \_\_\_\_\_ Date: \_\_\_\_\_

(AFSA Form 94-110A) Page 2 of 5



**Annual Inspection and Test of Fire Pump Components:  
Conduct the Inspection and Test Tasks and Record Results as  
Applicable to the Type of Pump System:**

	Y	N/A	N		Y	N/A	N
<b>D-1.0 Annual Inspection of System Components:</b>				<b>D-9.1 Automatic starts performed 10 times</b>			
D-1.1 Pump in service on inspection:				D-9.2 Automatic start function properly:			
D-1.2 Pump identification no.:				D-9.3 Automatic stop function properly:			
D-1.3 Casing relief valve free of damage:				D-9.4 Automatic start psi:			
D-1.4 Pressure relief valve free of damage:				D-9.5 Automatic stop psi:			
D-1.5 ALL valves, fittings, pipe leak tight:				D-10.1 Manual starts performed 10 times			
D-1.6 Condensate drain trap clean:				D-10.2 Manual start function properly:			
D-2.1 Fire pump controller power "ON":				D-10.3 Manual stop function properly:			
D-2.2 Transfer switch normal pilot light "ON":				D-10.4 Manual start psi:			
D-3.1 Jockey pump operational:				D-10.5 Manual stop psi:			
D-3.2 Jockey pump controller power "ON":				D-11.1 Remote start function properly:			
D-3.3 Jockey pump controller set on "AUTO":				D-11.2 Remote stop function properly:			
D-4.1 Fire pump shaft coupling appears properly aligned:				D-11.3 Remote start psi:			
D-4.2 Packing glands appear properly adjusted:				D-11.4 Remote stop psi:			
D-5.1 Weekly test run records available:				D-12.1 Timer indicates total run time: _____ min			
D-5.2 Date of last pump run test:				D-12.2 Timer reset and graph paper changed:			
D-5.3 Pump peak load at 150% capacity:				D-12.3 Test data and flow charts completed: (Attach all water flow charts, electrical power charts, performance curves, etc.)			
D-6.1 Test header control valve closed:				D-12.4 Fire pump electrical power readings recorded at each flow condition:			
D-6.2 Test header in good condition:				D-12.5 Fire pump motor speed: _____ rpm			
D-6.3 Test header valves and caps in good condition:				D-12.6 Fire pump discharge flow: _____ gpm			
D-6.4 Test header valve handles in good condition:				D-13.1 Jockey pump operational:			
D-6.5 Test header valve swivels rotation is nonbinding:				D-13.2 Jockey pump appears properly aligned:			
D-7.1 By-pass control valves open:				D-13.3 Jockey pump valves open:			
D-7.2 Control valves sealed/not tampered:				D-13.4 Jockey pump "turn-on": _____ psi:			
D-7.3 Control valves locked/tampered:				D-13.5 Jockey pump "turn-off": _____ psi:			
D-7.4 Control valves properly tagged and identified:				D-20.0 Comments:			
D-7.5 Flow meter control valves closed:							
D-8.1 Relief valve and cone operational:							
D-8.2 Relief valve pressure appears properly adjusted:							
D-8.3 Suction gauge while flowing psi:							
D-8.4 Fire pump operating psi:							
D-8.5 Discharge gauge flowing psi:							

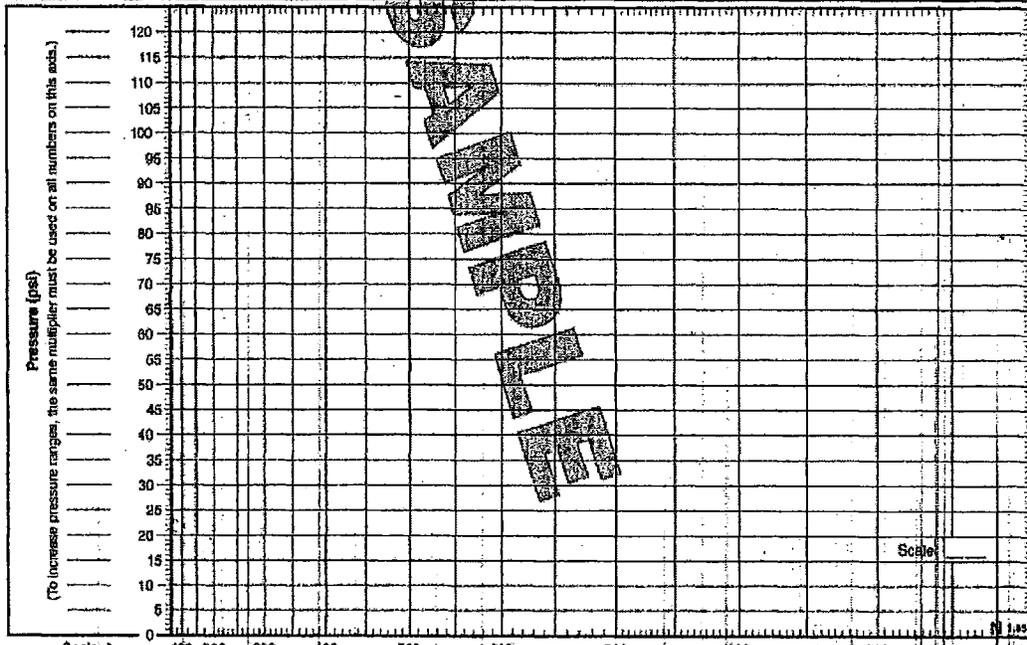
**Note: Pump performance curve should be plotted on page 5 of 5.**

Inspector's initial \_\_\_\_\_ (All "NO" answers to be fully explained.)  
Owner/designated rep. initial \_\_\_\_\_ Date: \_\_\_\_\_

Copyright NFPA

Fire Pump Test Summary Sheet

Date:	Time:	Cont. no.	Type of test (hydrant, drain or pump)	Static or suction pressure (psi)	Residual or discharge pressure (psi)	Net pump pressure (psi)	Pump speed (rpm/ amperes)	Piket pressure	Dis. of nozzle openings flowed	No. of nozzle openings flowed	Flow at C=.89 C=.87 (gpm)	Opening coefficient C=	Actual flow (gpm)
Property name:													
Address:													
City/state/zip													
Static pressure: psi		Flow @ 20 psi		gpm									



Scale A	100	200	300	400	500	600	700	800	900	1000
Scale B	200	400	600	800	1000	1200	1400	1600	1800	2000
Scale C	400	800	1200	1600	2000					

Inspector's initial \_\_\_\_\_ Date \_\_\_\_\_  
 (All "OR" answers to be fully explained.)  
 Owner/designated rep. initial \_\_\_\_\_  
 (AFSA Form 94-110A) Page 5 of 5



# Report of Inspection & Testing of Water Based Fire Protection Systems Monthly Items to be Reviewed

ALL QUESTIONS ARE TO BE FULLY ANSWERED AND ALL BLANKS TO BE FILLED  
(Weekly inspection tasks are included in this report.)

(There is not a scheduled monthly testing task requirement. See the quarterly schedule.)

Inspecting firm: (contractor)	Inspection contract #
Name of property:	
Inspector name:	Date:
Page of	
Inspection frequency:	<input type="checkbox"/> Monthly <input type="checkbox"/> Quarterly <input type="checkbox"/> Annually <input type="checkbox"/> Other:

## Wet Sprinkler System Inspection

	Y	N/A	N
A-1.1 Spkr. supply gauge:    psi			
A-1.2 Spkr. system gauge:    psi			
A-2.0 System in service on inspection:			
A-2.1 Spkr. control va. locked/tamper open:			
A-2.2 Stplpe control va. locked/tamper open:			
A-2.3 Backflow va. locked open/tamper:			
A-2.4 Anti-freeze system va. locked/tamper open:			
A-2.6 Tamper switches appear operational:			
A-3.1 Valve area accessible:			
A-3.2 Control valves accessible:			
A-4.1 Pressure regulating valve in good condition:			
A-4.2 Pressure regulating valve in good condition:			
A-4.3 Pressure reg. valve leak tight:			
A-4.4 Pressure reg. va. maintaining downstream pressure per design criteria:			
A-5.1 Pressure relief va. in closed position except when operational:			
A-5.2 Pressure relief va. in good condition:			
A-5.3 Pressure relief va. leak tight:			
A-5.4 Pressure relief va. maintaining upstream pressure per design criteria:			
A-6.1 Main check valve holding pressure:			
A-6.2 Alarm check va. exterior free of damage:			
A-6.3 Water flow switch operational:			
A-7.1 Trim piping leak tight:			
A-7.2 Retard chamber drip tight:			
A-7.3 Alarm drain drip tight when not operational:			
A-8.1 Trim valves in appropriate position:			
A-8.2 Alarm test line valve closed:			
A-9.1 FDC plainly visible:			
A-9.2 FDC easily accessible:			
A-9.5 FDC swivels non-binding rotation:			
A-9.6 FDC caps/plugs in place:			
A-9.7 FDC gaskets/signs in place:			
A-9.10 FDC check valve drip free:			
A-9.11 FDC ball drip drain in place:			
A-10.0 Manual alarms properly identified:			
A-10.1 Exterior alarms appear operational:			
A-10.2 Interloop alarms appear operational:			
A-10.3 Extra heads in spare head cabinet:			
A-11.2 Heads appear of proper temperature:			
A-11.3 Head wrench for each type of head:			
A-11.6 Head in cooler appears free of ice, corrosion:			
A-11.7 Head appears free of leakage or damage:			
A-11.8 Head appears free of paint:			
A-11.9 Heads appear free of non-approved coverings:			
A-12.0 Standard head less than 50 year:			
A-13.0 Residential head less than 20 year:			
A-14.0 Wati hydrant plainly visible:			
A-14.1 Wati hydrant easily accessible:			
A-14.2 Wati hydrant identification plate in place:			
A-15.1 Hose/hydrant house free of damage:			
A-15.2 Hose/hydrant house fully equipped:			
A-15.3 Hose/hydrant house is accessible:			
A-16.1 Wet pipe areas appear properly treated:			
A-17.0 Alarm panel clear:			
A-18.0 System left in service:			
A-20.0 Comments:			

(All "NO" answers to be fully explained.)

Inspector's initial \_\_\_\_\_ Owner/designated rep. initial \_\_\_\_\_ Date: \_\_\_\_\_

(AFSA Form 94-106A)  
Page 1 of 3

# Report of Inspection & Testing of Water Based Fire Protection Systems Quarterly and Annual Items to be Reviewed



ALL QUESTIONS ARE TO BE FULLY ANSWERED AND ALL BLANKS TO BE FILLED

Inspecting firm: (contractor) \_\_\_\_\_ Inspection contract # \_\_\_\_\_  
 Name of property: \_\_\_\_\_  
 Inspector name: \_\_\_\_\_ Date: \_\_\_\_\_  
 Inspector title: \_\_\_\_\_  
 Inspection frequency:  Monthly  Quarterly  Annually  Other

### Quarterly Report of Inspection of Wet Sprinkler System

For a quarterly inspection, complete all items listed on AFSA Form 94-106A "Report of Inspection - Monthly Items to be Reviewed" AND the items listed below.

	Y	N/A	N
1.1 Hydraulic nameplate attached:			
1.2 Strainers and filters cleaned:			
1.3 Exterior alarms properly identified:			
1.0 Alarm panel clear:			
1.0 System left in service:			
10.0 Comments:			

S.A.M.A.M.

### Quarterly Testing Requirements for Wet Sprinkler System

	Y	N/A	N
C-1.1 Main drain flow test with _____ in. valve full open:			

C-2.1 Sprk. supply gauge \_\_\_\_\_ psi

C-2.2 Sprk. supply gauge \_\_\_\_\_ main drain flow: \_\_\_\_\_ psi

C-3.1 Sprk. system gauges \_\_\_\_\_

C-3.2 Sprk. system gauge with main drain flow: \_\_\_\_\_ psi

	Y	N/A	N
C-4.1 Water flow alarm devices activated:			
C-4.2 Interior bldg. alarms operating:			
C-4.3 Exterior alarms operating:			

C-5.1 Inspectors test flow: \_\_\_\_\_ psi

C-6.1 Time to ring alarm from alarm check valve: \_\_\_\_\_ min \_\_\_\_\_ sec

C-7.1 Time to ring alarm from flow switch: \_\_\_\_\_ min \_\_\_\_\_ sec

C-8.1 Time to ring alarm from pressure switch: \_\_\_\_\_ min \_\_\_\_\_ sec

	Y	N/A	N
C-9.1 Gauges appear operating properly:			
C-10.1 Did alarm supervisory company receive signal properly:			
C-10.2 Did alarm panel reset properly:			
C-11.0 Alarm panel clear:			
C-12.0 System left in service:			

C-20.0 Comments:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Inspector's initial \_\_\_\_\_ (All "NO" answers to be fully explained.)  
 Owner/designated rep. initial \_\_\_\_\_ Date: \_\_\_\_\_

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# Report of Inspection & Testing

## of Dry Pipe Fire Protection Systems Monthly and/or Quarterly Items to be Reviewed

ALL QUESTIONS ARE TO BE FULLY ANSWERED AND ALL BLANKS TO BE FILLED

(Weekly inspection tasks are included in this report.)

(There is not a scheduled monthly testing task requirement. See the quarterly schedule.)

Inspecting firm: (contractor) \_\_\_\_\_ Inspection contract # \_\_\_\_\_  
 Name of property: \_\_\_\_\_  
 Inspector name: \_\_\_\_\_ Date: \_\_\_\_\_  
 Page of \_\_\_\_\_  
 Inspection frequency:  Monthly  Quarterly  Annually  Other: \_\_\_\_\_

### Dry Pipe Sprinkler System Inspection

A-1.1 Air pressure gauge: psi \_\_\_\_\_  
 A-1.2 Accelerate or quick opening device gauge: psi \_\_\_\_\_  
 A-1.3 Water pressure gauge: psi \_\_\_\_\_  
 A-1.4 Water supply gauge: psi \_\_\_\_\_

	Y	N/A	N
A-2.0 System in service on inspection:			
A-2.1 Dry pipe valve appears free of damage:			
A-2.2 Trim valves in appropriate position:			
A-2.3 Alarm test valve closed:			
A-2.4 Intermediate chamber leak tight:			
A-3.1 Valve enclosure sealed:			
A-3.2 Heater operational:			
A-3.3 Low temperature alarm operational:			
A-4.1 Compressor operational:			
A-4.2 Oil level full:			
A-4.3 High/low pressure switches operational:			
A-4.4 Auto. air maint. devices operational:			
A-5.1 Control vs. locked/tamper open:			
A-5.2 Backflow vs. locked open/tamper:			
A-5.3 Tamper switches appear operational:			
A-5.4 Valve area accessible:			
A-5.6 Control valves accessible:			
A-5.7 Main check valve holding pressure:			
A-6.1 FDC plainly visible:			
A-6.2 FDC easily accessible:			
A-6.3 FDC swivels non-binding rotation:			
A-6.4 FDC caps/plugs in place:			
A-6.5 FDC gaskets/signs in place:			
A-6.6 FDC check valve drip free:			
A-6.7 FDC ball drip drain drip free:			

	Y	N/A	N
A-7.1 Exterior alarms properly identified:			
A-7.2 Exterior alarms appear operational:			
A-7.3 Interior alarms appear operational:			
A-8.1 Extra heads in spring head cabinet:			
A-8.2 Heads appear to be proper temperature:			
A-8.3 Head wrenches of correct type of head:			
A-8.4 Head in cooler conditions free of ice, corrosion:			
A-8.5 Head appears free of leakage or damage:			
A-8.6 Head appears free of paint:			
A-8.9 Head appears free of non-approved coverings:			
A-9.0 Standard head less than 50 year:			
A-10.0 Residential head less than 20 year:			
A-11.1 Hose/hydrant house free of damage:			
A-11.2 Hose/hydrant house fully equipped:			
A-11.3 Hose/hydrant house is accessible:			
A-12.1 Wet pipe areas appear properly heated: (Wet SSP on dry pipe sys.?)			
A-13.1 Low point drum drips drained: (As frequently as needed)			
A-13.2 All low points drained:			
A-14.1 All valves identified with signage:			
A-14.2 Hydraulic nameplate attached:			
A-18.0 Alarm panel clear:			
A-18.0 System in service:			
A-20.0 Comments:			

(All "NO" answers to be fully explained.)  
 Inspector's initial \_\_\_\_\_ Owner/designated rep. initial \_\_\_\_\_ Date: \_\_\_\_\_ (AFSA Form 9A-107A) Page 1 of 4

# Report of Inspection & Testing of Dry Pipe Fire Protection Systems

## Quarterly and Annual Items to be Reviewed



ALL QUESTIONS ARE TO BE FULLY ANSWERED AND ALL BLANKS TO BE FILLED

Inspecting firm: (contractor)	Inspection contract #
Name of property:	
Inspector name:	Date:
Page of	
Inspection frequency:	<input type="checkbox"/> Monthly <input type="checkbox"/> Quarterly <input type="checkbox"/> Annually <input type="checkbox"/> Other:

### Quarterly Testing Requirements for a Dry Pipe Sprinkler System

	Y	N/A	N
C-1.1 Quick opening devices tested during semi-annual inspections:			
C-1.2 Quick opening device test date: _____			
C-1.3 Priming water at proper level:			
C-2.1 Low air pressure alarm tested:			
C-3.1 Main drain flow test with _____, in. valve full open:			
C-3.2 Spkr. supply gauge: _____ psi			
C-3.3 Spkr. supply gauge with main drain flow: _____ psi			
C-3.4 Gauges operating:			
C-4.1 Water flow alarm devices activated:			
C-4.2 Interior bldg. alarms operate:			
C-4.3 Exterior alarms operate:			
C-4.6 Did alarm supervisory company receive signal:			
C-4.7 Did alarm panel reset:			
C-18.0 Alarm panel clear:			
C-19.0 System left in service:			
C-20.0 Comments:			

### Annual Inspection of Dry Pipe Sprinkler System

	Y	N/A	N
D-1.1 Interior of dry pipe valve in good condition:			
D-1.2 Interior of quick opening device in good condition:			
D-1.3 Inspect interior of strainers, filters, restricted orifices every 5th year. Date: _____			
D-1.4 Inspect interior of main check valve every 5th year. Date: _____			
D-2.1 Visual inspection: hanger/seismic bracing appear attached and secure:			
D-3.1 Visual inspection: "exposed" piping appears in good condition:			
D-3.2 Piping appears free of mechanical damage:			
D-3.3 Piping appears free of leakage:			
D-3.4 Exterior of piping appears free of corrosion:			
D-3.6 Piping appears properly aligned:			
D-3.7 Piping appears free of external loads:			
D-4.1 Sprinklers appear free of corrosion:			
D-4.2 Sprinklers appear properly positioned:			
D-4.3 Sprinklers appear properly spaced:			
D-4.5 Sprinklers appear free of foreign material:			
D-4.7 Sprinkler spray patterns appear free of obstructions:			
D-18.0 Alarm panel clear:			
D-19.0 System left in service:			
D-20.0 Comments:			

(All "NO" answers to be fully explained.)

Inspector's initial \_\_\_\_\_     Owner/designated rep. initial \_\_\_\_\_     Date: \_\_\_\_\_

### Annual Testing and Maintenance Tasks That Are in Addition to Other Frequency Tasks — For Dry Pipe System

	Y	N/A	N
E-1.1 Dry pipe valve: (annually)			
E-2.1 Quick opening devices: (semi-annually)			

E-3.1 Dry pipe valve trip tested with control valve partially open: Date: \_\_\_\_\_

E-3.2 Trip test with control valve fully open when system is altered or every 3rd year: Date: \_\_\_\_\_

*(Exception: When protecting a cooler or freezer, DO NOT introduce moisture into system.)*

	Y	N/A	N
E-4.1 Strainers and filters and restricted orifices cleaned after trip test or every 5 years:			
E-4.2 Information on last trip test recorded:			

E-5.1 Automatic air maintenance device tested and operating properly:

E-6.1 Control valve lubricated:

E-6.2 Control valve operated to closed position and returned to open position:

E-6.3 Backflow assembly control valves lubricated:

E-6.6 Backflow assembly control valves operated and returned to open position:

E-6.7 Post indicator valve operated with \_\_\_\_\_ number of times recorded:

E-6.8 Post indicator valve returned to open position:

*(All above listed control valves to be left ¼ turn from wide open)*

E-7.1 All low points drained:

E-7.2 Internal pipe inspection recommended:

F-10.0 Comments: \_\_\_\_\_

	Y	N/A	N
--	---	-----	---

**Test Frequency Items of 5 Years Unless noted**

F-1.1 Gauge maintenance test: (5 year)

F-1.2 Replaced date: \_\_\_\_\_

F-1.3 Calibrated date: \_\_\_\_\_

F-2.1 Sprinkler maintenance test frequencies:

F-2.2 (5 year) high temp. date: \_\_\_\_\_

F-2.3 (20 year, then 10 year thereafter) Fast response date: \_\_\_\_\_

F-2.4 (50 year, then 10 year thereafter) Standard sprinkler date: \_\_\_\_\_

F-3.1 Other: \_\_\_\_\_

F-4.1 Supplemental information on Dry Pipe Valve and System Condition Report (Annual)

F-4.2 Dry system controls sprinklers in: \_\_\_\_\_

F-4.3 Dry trip test satisfactory: \_\_\_\_\_

F-4.4 Reason for failure or partly satisfactory: \_\_\_\_\_

F-4.5 Condition: interior of body in good condition

F-4.8 Condition: water from test pipe in good condition

F-4.7 Condition: moving parts in good condition

F-4.8 Condition: seats in good condition

F-4.9 Condition: rubber facing in good condition

F-4.10 Q.O.D operation indicate satisfactory:

F-4.11 Q.O.D operation indicate failed:

F-4.12 Q.O.D operation indicate shut off:

#### Trip Test Table

	Dry Valve		Size		Year		Q.O.D.		Year	
	Make		Model	Serial no.		Make		Model	Serial no.	
	Dry pipe operating test	Time to trip thru test pipe		Water pressure	Air pressure	Trip point air pressure	Time water reached test outlet		Alarm operated	
Min		Sec	psi	psi	psi	Min	Sec	Yes	No	
Without Q.O.D.										
With Q.O.D.										

If No, explain:

(All "NO" answers to be fully explained.)

Inspector's initial \_\_\_\_\_ Owner/designated rep. initial \_\_\_\_\_ Date: \_\_\_\_\_

(AFSA Form 94-107A)  
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# Report of Inspection & Testing of Fire Protection Systems

## Report of Internal Condition of Sprinkler Piping (5 years and/or as required)

ALL QUESTIONS ARE TO BE FULLY ANSWERED AND ALL BLANKS TO BE FILLED

Inspecting firm: (contractor) \_\_\_\_\_ Inspection contract # \_\_\_\_\_  
 Name of property: \_\_\_\_\_  
 Inspector name: \_\_\_\_\_ Date: \_\_\_\_\_  
 Page of \_\_\_\_\_ Date of previous internal pipe inspection: \_\_\_\_\_  
 Inspection frequency:  Monthly  Quarterly  Annually  Other \_\_\_\_\_  
 Identify system(s) involved:  Wet  Dry  Preaction  Deluge  Other \_\_\_\_\_

An examination of representative sections of this sprinkler system has been made to determine internal conditions.

### Initial Examination Data:

Number of branch lines examined: \_\_\_\_\_ % of total branch lines \_\_\_\_\_  
 Number of cross mains examined: \_\_\_\_\_ % of bulk lines \_\_\_\_\_  
 Other points examined (describe): \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### Results of Initial Examination:

(Check box which applies)  
 1. The interior of the sprinkler piping appears in satisfactory condition.  
 2. The sprinkler systems are in need of internal cleaning. Some of the pipes were found to be partially full of foreign materials. (specify nature of material stopped up, pipe scale, dirt, rust, tuberculation)  
 \_\_\_\_\_  
 \_\_\_\_\_

### Examination Subsequent to Cleaning System:

Cleaning method used (describe): \_\_\_\_\_  
 Number of branch lines examined: \_\_\_\_\_ % of total branch lines \_\_\_\_\_  
 Number of cross mains examined: \_\_\_\_\_ % of bulk lines \_\_\_\_\_  
 Other points examined (describe): \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### Results of Examination Subsequent to Cleaning:

(Check box which applies)  
 1. The interior of the sprinkler piping appears in satisfactory condition.  
 2. If interior of piping other than satisfactory, describe:  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature and title of person conducting cleaning \_\_\_\_\_ Date of cleaning \_\_\_\_\_  
 Witness (owner or lessee of the property) \_\_\_\_\_

(All "NO" answers to be fully explained.)  
 Inspector's initial \_\_\_\_\_ Owner/designated rep. initial \_\_\_\_\_ Date: \_\_\_\_\_

(AFSA Form 94-107A)  
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## **Terms and Conditions**

### **BID STANDARD TERMS AND CONDITIONS**

#### **TERMS AND CONDITIONS FOR THIS BID**

#### **RIVIP INFO - BID SUBMISSION REQUIREMENTS**

It is the Vendor's responsibility to check and download any and all addenda from the RIVIP. This offer may not be considered unless a signed RIVIP generated Bidder Certification Cover Form is attached and the Unit Price column is completed. The signed Certification Cover Form must be attached to the front of the offer. When delivering offers in person to One Capitol Hill, vendors are advised to allow at least one hour additional time for clearance through security checkpoints.

#### **PURCHASE AGREEMENT BID**

**BIDDING** (a) A single price shall be quoted for each item against which a proposal is submitted. This price will be the maximum in effect during the agreement period. Any price decline at the manufacturer's level shall be reflected in a reduction of the agreement price to the State. (b) Quantities, if any, are estimated only. The agreement shall cover the actual quantities ordering during the period. Deliveries will be billed at the single, firm, awarded unit price quoted regardless of the quantities ordered. (c) Bid price is net F.O.B. destination and shall include inside delivery at no extra cost. (d) Bids for single items and/or a small percentage of total items listed, may, at the State's sole option, be rejected as being non-responsive to the intent of this request. **ORDERING** (a) The User Agency(s) will submit individual orders for the various items and various quantities as may be required during the agreement period. (b) Exception - Regardless of any agreement resulting from this bid, the State reserves the right to solicit prices separately for any extra large requirements for delivery to specific destinations.

#### **WAGE REQUIREMENTS**

BIDDERS ARE ADVISED THAT ALL PROVISIONS OF TITLE 37 CHAPTER 13 OF THE GENERAL LAWS OF RHODE ISLAND APPLY TO THE WORK COVERED BY THIS REQUEST, AND THAT PAYMENT OF THE GENERAL PREVAILING RATE OF PER DIEM WAGES AND THE GENERAL PREVAILING RATE FOR REGULAR, OVERTIME, AND OTHER WORKING CONDITIONS EXISTING IN THE LOCALITY FOR EACH CRAFT, MECHANIC, TEAMSTER, OR TYPE OF WORKMAN NEEDED TO EXECUTE THIS WORK IS A REQUIREMENT FOR BOTH CONTRACTORS AND SUBCONTRACTORS. THE PREVAILING WAGE TABLE MAY BE OBTAINED AT THE RI DIVISION OF PURCHASES HOME PAGE BY INTERNET at [www.purchasing.state.ri.us](http://www.purchasing.state.ri.us). SELECT "INFORMATION" AND THEN SELECT "PREVAILING WAGE TABLE". THE STATE OF RHODE ISLAND USES THE GENERAL DECISION NUMBER RI20100001. PRINTING THE ENTIRE DOCUMENT AVERAGES APPROXIMATELY ONE MINUTE PER PAGE - YOU MAY WANT TO PRINT ONLY THE PAGES APPLICABLE TO YOUR BID. BIDDERS NOTE: IN THE EVENT THIS BID SPECIFIES PRICE OFFERS ON A TIME-AND-MATERIALS BASIS, i.e., AN HOURLY RATE, ANY OR ALL BIDS SUBMITTED IN AN AMOUNT LESS THAN THE PREVAILING RATE IN EFFECT FOR THE WORK COVERED BY THIS REQUEST AS OF THE DATE OF BID ISSUANCE SHALL BE REJECTED BY THE DIVISION OF PURCHASES.

#### **LICENSE REQUIREMENTS**

VENDOR (OWNER OF COMPANY) IS RESPONSIBLE TO COMPLY WITH ALL LICENSING OR STATE PERMITS REQUIRED FOR THIS TYPE OF SERVICE. A COPY OF LICENSE/PERMIT SHOULD BE SUBMITTED WITH THIS BID. IN ADDITION TO THESE LICENSE REQUIREMENTS,

BIDDER, BY SUBMISSION OF THIS BID, CERTIFIES THAT ANY/ALL WORK RELATED TO THIS BID, AND ANY SUBSEQUENT AWARD WHICH REQUIRES A RHODE ISLAND LICENSE(S), SHALL BE PERFORMED BY AN INDIVIDUAL(S) HOLDING A VALID RHODE ISLAND LICENSE.

#### **MULTI YEAR AWARD**

THIS IS A MULTI-YEAR BID/CONTRACT. PER RHODE ISLAND STATE LAW 37-2-33, CONTRACT OBLIGATIONS BEYOND THE CURRENT FISCAL YEAR ARE SUBJECT TO AVAILABILITY OF FUNDS. CONTINUATION OF THE CONTRACT BEYOND THE INITIAL FISCAL YEAR WILL BE AT THE DISCRETION OF THE STATE. TERMINATION MAY BE EFFECTED BY THE STATE BASED UPON DETERMINING FACTORS SUCH AS UNSATISFACTORY PERFORMANCE OR THE DETERMINATION BY THE STATE TO DISCONTINUE THE GOODS/SERVICES, OR TO REVISE THE SCOPE AND NEED FOR THE TYPE OF GOODS/SERVICES; ALSO MANAGEMENT OWNER DETERMINATIONS THAT MAY PRECLUDE THE NEED FOR GOODS/SERVICES.

#### **DELIVERY PER AGENCY**

DELIVERY OF GOODS OR SERVICES AS REQUESTED BY AGENCY.

#### **INSPECTION REQUIREMENTS**

BIDDERS ARE RESPONSIBLE FOR INSPECTION OF EQUIPMENT AND/OR LOCATION, TAKING MEASUREMENTS\* WHEN REQUIRED, AND MAKING THEMSELVES AWARE OF THE TOTAL REQUIREMENT BEFORE SUBMITTING A BID. \*MEASUREMENTS PROVIDED WITH ANY BID ARE FOR REFERENCE PURPOSES AND ARE NOT GUARANTEED TO BE COMPLETELY ACCURATE.

#### **INSURANCE REQUIREMENTS**

AN INSURANCE CERTIFICATE IN COMPLIANCE WITH PROVISIONS OF ITEM 31 (INSURANCE) OF THE GENERAL CONDITIONS OF PURCHASE IS REQUIRED FOR COMPREHENSIVE GENERAL LIABILITY, AUTOMOBILE LIABILITY, AND WORKERS' COMPENSATION AND MUST BE SUBMITTED BY THE SUCCESSFUL BIDDER(S) TO THE DIVISION OF PURCHASES PRIOR TO AWARD. THE INSURANCE CERTIFICATE MUST NAME THE STATE OF RHODE ISLAND AS CERTIFICATE HOLDER AND AS AN ADDITIONAL INSURED. FAILURE TO COMPLY WITH THESE PROVISIONS MAY RESULT IN REJECTION OF THE OFFEROR'S BID. ANNUAL RENEWAL CERTIFICATES MUST BE SUBMITTED TO THE AGENCY IDENTIFIED ON THE PURCHASE ORDER. FAILURE TO DO SO MAY BE GROUNDS FOR CANCELLATION OF CONTRACT.

NOTE: IF THIS BID COVERS CONSTRUCTION, SCHOOL BUSING, HAZARDOUS WASTE, OR VESSEL OPERATION, APPLICABLE COVERAGES FROM THE FOLLOWING LIST MUST ALSO BE SUBMITTED TO THE DIVISION OF PURCHASES PRIOR TO AWARD: \* PROFESSIONAL LIABILITY INSURANCE (AKA ERRORS & OMISSIONS) - \$1 MILLION OR 5% OF ESTIMATED PROJECT COST, WHICHEVER IS GREATER. \* BUILDER'S RISK INSURANCE - COVERAGE EQUAL TO FACE AMOUNT OF CONTRACT FOR CONSTRUCTION. \* SCHOOL BUSING - AUTO LIABILITY COVERAGE IN THE AMOUNT OF \$5 MILLION. \* ENVIRONMENTAL IMPAIRMENT (AKA POLLUTION CONTROL) - \$1 MILLION OR 5% OF FACE AMOUNT OF CONTRACT, WHICHEVER IS GREATER. \* VESSEL OPERATION - (MARINE OR AIRCRAFT) - PROTECTION & INDEMNITY COVERAGE REQUIRED IN THE AMOUNT OF \$1 MILLION.

#### **WORK ORDER LIMITATIONS**

IN NO EVENT WILL ANY INDIVIDUAL WORK ORDER EXCEED \$5,000.00 WITHOUT PRIOR APPROVAL OF THE OFFICE OF PURCHASES.

**CHARGES PERMITTED**

NO CHARGES OTHER THAN PARTS AND LABOR ON THE JOB - NO TRAVEL, NO MILEAGE,  
NO MISCELLANEOUS CHARGES, NO PORTAL TO PORTAL.