



Department of Administration / Division of Purchases  
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Web Site: [www.purchasing.ri.gov](http://www.purchasing.ri.gov)

6 Jan 11

**Addendum # 5**

**RFP # 7448088**

**Title: ARRA Cement Water Main Replacements and Water Booster Pump Station at RI College (Design-Build)**

**Submission Deadline: 20 January 11 @ 11:00 AM (EST)**

- **Twenty Eight vendor questions / State responses are released in this addendum**
- **Two additional questions were submitted prior to the 7 Jan 11 @ Noon deadline. Please monitor the website for addendum #6 , which will address those remaining concerns.**
- **No further questions shall be entertained.**

A handwritten signature in black ink, appearing to read "Jerome D. Moynihan".

Jerome D. Moynihan, C.P.M., CPPO  
Assistant Director for Special Projects  
Division of Purchases

**Rhode Island College**  
**Design-Build Water Mains and Booster Pump Stations (2)**  
**RFP #7448088**  
**Questions & Answers**  
**January 7, 2011**

**Vendor #1**

1. Do the below ground capsules need to be rated for H-20 traffic loads? *For the purposes of the proposal H-20 loading shall be assumed. This will be discussed and reviewed during the design.*
2. What power service is available at the site? 480V, 3 phase is preferred. *Power will need to be brought in from Mt. Pleasant Ave. from Narragansett Grid for the station at Mt. Pleasant/College Rd. At this location there is primary 3-phase power at 12,470 volts. Power for the station north of the track can be taken from the College "C" feeder which is overhead and 4,160 volts. Design-build team is responsible for supply and installation of required power transformers, conduit, cable, and accessories.*
3. Is the Booster Pump Station manufacturer responsible for providing SCADA? *The design-build team is responsible for providing SCADA.*
4. Is the main station (BPS #1) pumping through BPS #2 or are there two (2) different sources of water? *There are two sources of water.*
5. Will the station be running continuously? *The station located at Mt. Pleasant Avenue @ College Rd. will likely run continuously. The second station would run intermittently.*
6. The bypass is described as being outside of the station. This bypass can be provided inside the station if desired. *Bypass shall be located outside of the stations.*
7. Would you like to know the flow rate from each pump station or each pump as described on page 9 of Addendum #1? *Provide information stipulated in RFP and addenda.*
8. For BPS #1, would you be looking for two (2) 750 GPM pumps or two (2) 1500 GPM pumps to provide fire flow? *Assume 2(two) – 1500 gpm pumps for the purpose of the proposal. Exact pump sizing and station configuration to be determined during the design.*
9. Is it required that the pump station drawings be signed and sealed by a registered P.E.? *Yes.*
10. Do you want the domestic pumps selected as two (2) 219 GPM pumps? *Assume 2 (two)- 219 gpm pumps for purposes of the proposal. Exact pump sizing and station configuration to be determined as part of the design.*
11. Do you want redundancy on peak hour flow or simply redundancy on max day flow? *Redundancy shall be for maximum day demand plus fire flow.*
12. Please confirm if the starters for the fire flow pumps will be VFDs or constant speed. *All starters shall be VFDs.*
13. If VFDs are required for the fire flow pumps, do they need to be provided with bypass contactors? *To be determined as part of the design.*
14. Please confirm that the design flow is max day (219 GPM) domestic flow plus 1500 GPM fire flow. *Section 3.15 of RFP outlines the requirements. Final pump sizing shall be part of the design.*

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**Vendor #2**

1. Please clarify the timing of shop drawing submittals relative to the Draft and Final Submittals of plans and specifications. Based on the proposed timing of the project many required items will have long lead times and may have to have shop drawing approvals prior to the Draft and Final Submittals of plans and specifications. ***It is recognized that items with long lead times may need approval prior to the completion of the entire design. RIC will work with the design-build team to coordinate reviews and approvals to keep project moving.***
2. What are the requirements for construction observation relative to the design build team and will there be required deliverables other than as-built drawings (i.e. construction meetings, daily field logs, etc.)? ***Construction observation (i.e. inspection) will be conducted by RIC or their representative. Additional deliverables include Operation & Maintenance Manuals for the pump stations.***
3. If construction and project meetings are required please provide the required number or frequency of meetings (weekly, monthly, etc.)? ***Progress meetings will be held bi-weekly (every two weeks) during the design phase and weekly during the construction phase.***
4. Please define the requirements and/or need for specifications as the RFP states that all work most comply with the Providence Water Supply Board's Requirements for Water Mains, Services and Appurtenances. ***Specifications shall be developed that address the technical aspects of the project. Specifications shall be sufficiently detailed such that RIC and any reviewing party will have a complete understanding of the proposed work including materials and construction.***
5. Please provide a functional description of how the two stations will operate (i.e. lead/lag, interlock, run time, strictly backup, etc.). ***It is intended that the station located at Mt. Pleasant Avenue and College Road will serve as the primary pump station. The second station located north of the running track would primarily serve as a backup station. However, actual operation sequences will need to be reviewed and discussed during the design.***
6. Please verify that the existing meter vaults will be abandoned and replaced with new meters and backflow preventers within the proposed pump stations. ***It is anticipated that the existing meters and backflow preventers will remain in service. However, this can be discussed further during the design.***
7. Will an alternative design be accepted where only one station is required and a secondary backup scenario is developed? ***The project shall be bid as detailed in the RFP and addenda. Vendors may also provide suggested alternates with deduct value. However, these alternate proposals will not be used as a basis for selection.***
8. Please further define the approval and review requirements of the State Fire Marshal and FM Global (approval/review times, design requirements, etc.). ***The State Fire Marshal office plan review is not required for this project. FM Global review is required. Typical review time is two (2) weeks.***
9. Please confirm if RIC or the design build team will be responsible for the testing of the water mains. ***RIC will arrange for and pay for the water-quality testing. Design-build team is responsible for conducting all other testing on the water mains and shall carry this cost in the proposed fee(s).***
10. Please identify any critical facilities and/or buildings that will have special consideration to by-pass systems during construction (laboratories, tests, studies, etc.). ***Per the RFP, by-pass systems shall be constructed to provide the same level of service as the existing water mains. Section 3.21 of RFP details requirements. All buildings are critical and water service can only be turned off for a brief period to connect the temporary service to the building. The shut-offs must be coordinated with the College and***

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*may need to occur during off hours (i.e. night or weekend). The College's central steam plant located in Whipple Hall. The steam plant is a 24 hour/day, 7 day/week operation, 365 days/year.*

**General Clarification** – The edges of all trenches in paved areas are to be sawcut (at least 1 ft. back from edge) prior to permanent patch installation.

**\*\*\* END \*\*\***