



Department of Public Works

## Engineering Division

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## CLARIFICATIONS TO RFP FOR PLANNING & DESIGN SERVICES FOR HARPER LIFT STATION L.S. #12 (3402 HARPER ROAD)

### GENERAL QUESTIONS AND ANSWERS

Q. Does the City desire a natural gas generator and is there a preferred manufacturer?

A. The City would like a natural gas emergency generator included with the design. In the past we have used Cummins as a manufacturer but that manufacturer is not a requirement. The brand and model of the generator will be submitted by the General Contractor for approval at a later date.

Q. Does the City have a preferred manufacturer for the proposed submersible pumps?

A. Hydromatic, Pentair (Fairbanks Nijuis), and Xylem (Flygt) are all acceptable

Q. Does the City have a preferred manufacturer for the proposed flow meter?

A. Siemens MAG 5100 W or ABB WaterMaster for magnetic flow meters. If it's a venturi flow meter the pressure measuring instrumentation is typically Rosemount 3051S Series.

Q. Can you confirm that the existing pumping capacity and TDH are sufficient for future conditions?

A. Yes, the existing pumping capacity and TDH are sufficient for future conditions. This is a well-established single-family home residential area and no major change to that is anticipated.

Q. Is the entire existing force main cast iron?

A. To the best of the City's knowledge, yes the entire force main is cast iron. However, we have no CCTV to confirm this, only what is shown in our historical records.

Q. Is there any geotechnical soil boring data available? Are we to assume that groundwater elevation equals that of Lake Mendota?

A. There is currently no soil boring or geotechnical data available. Soil borings would be performed under the City's separate contract with input from the Consultant as to the location they would like borings. At this time, it should be assumed that ground water elevation is equal to Lake Mendota.

Q. Currently the force main is contained in a 10-foot easement. Are there any plans for easement or property acquisition as part of this project?

A. No, there are no plans for easement or property acquisition.

Q. Can you confirm that no odor control facilities are required?

A. No

Q. Are Variable Frequency Drives required? Or are across the line starters considered acceptable?

A. Variable Frequency Drives are not required.

Q. Will City staff publish the advertisement for bids and place the project on Bid Express? Do City services include receipt of bids and development of bid tabs?

A. Yes, the City will publish the project for advertisement for bids, along with receiving the bids, and developing bid tabs. The City will take care of all contracting services as well.

Q. Will the Madison Metropolitan Sewerage District (MMSD) provide system integration services?

A. MMSD will be a consultant on the project and will provide services to help integrate the new lift station into their system.

Q. Is construction staking required or do we merely provide benchmark and control points for the Contractor to provide field staking?

A. All construction staking will be completed by City staff. The Consultant will be responsible for providing their own survey for design and providing benchmarks and control points for the City Surveyor.

Q. What is the required horizontal and vertical datum for design?

A. All design and CAD should be in DaneWISCRS-F and HARN NAD 83 datum.

Q. Are approvals required from the Capital Area Regional Planning Commission (CARPC)?

A. Yes, it will go to CARPC for approval.

Q. Will the City provide direction regarding the required landscape design?

A. Yes, City staff will provide direction regarding landscape design.

Q. Is the Consultant responsible for coordinating with Madison Gas and Electric (MGE) regarding relocation of service?

A. No, City staff will coordinate with MGE regarding the relocation of service, including any permits needed for that relocation.

Q. Is site lighting required?

A. No

Q. Is an exterior horn or light required for alarms?

A. No, only telemetry to connect to MMSD offsite warning systems.

Q. Is a building required to house the panel and generator?

A. No, a building is not required to be in a building but the equipment should be able to handle outdoor conditions.

Q. Does the City plan to convert the existing building and wet well to a submersible design?

A. This is up to the Consultant. If a Consultant wants to utilize the existing building and wet well in their design, the City would be open to that.

Q. Is the City planning for the demo of the existing building and existing pump station?

A. This again would be up to the Consultant. If they wish to salvage and use the existing building and wet well in their design, it would not need to be demolished. However, if the design does not plan to convert it, it would need to be demolished.

Q. Given the current COVID-19 concerns, will there be a change in the requirements for in person meetings?

A. Yes there may be a change in those requirements. The anticipated meeting number would not change but in person may come to mean online. Any meetings will continue to follow meetings guidance or restrictions due to COVID-19.

Q. Is an email only submittal allowed, no hard copy?

A. Yes, given the COVID-19 concerns, we will accept submittals by email without a hard copy.