

All Agency Project Request

2013 - 2015 Biennium

<u>Agency</u>	<u>Institution</u>	<u>Building No.</u>	<u>Building Name</u>
University of Wisconsin	Parkside	285-0G-9922	Utility - Site Waste Water

<u>Project No.</u>	13J2Z	<u>Project Title</u>	Sanitary Sewer Sys Repr
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Project Intent

This project provides investigation and research, inspection, pre-design, and design services to repair the campus sanitary sewer system and correct any infiltration areas discovered. The sanitary sewer system will be evaluated to identify deficiencies, develop design solution alternatives, and recommend appropriate corrective measures.

Project Description

Project work includes sewer system cleaning, inspection, and video recording of approximately 12,000 LF of sanitary sewer main and laterals and 30 utility pits. Sanitary sewer infrastructure inside campus buildings will be investigated for cross connections and the project will identify and document municipal sanitary sewer systems in the vicinity of the Orchard Courts Apartments, which are currently connected to the campus services. The repair project scope will be determined based on the results of the inspection and the design consultant's recommendations.

Project Justification

The campus and the Town of Somers Water/Sewer Utility have investigated the potential of infiltration of the sanitary sewer system by groundwater or cross connections. A temporary meter was installed near the sanitary sewer exit to the campus. This meter identified a large increase in flow during wet periods. A comparison of water usage and sewage indicates an issue with the integrity of the system. The sanitary sewer was installed in the late 1960s and has not had any cleaning or inspections. This water infiltration impacts the campus utility budget and ability of our water utility to manage the treatment of sewage during these peak periods. A permanent metering system is being installed in the fall of 2013 (13B2U) to measure the quantity and the quality of effluent and provide reports to the campus and Town of Somers for their analysis.

The university has an agreement from the early 1970s with a private apartment complex to provide connections to the campus water and sewer systems. The original intent was for these private apartments to provide housing for UW-Parkside students, but water and sewer utilities were not available in the area at the time of the development. However, connections to the local utility are now available to serve the apartment development and the campus, and this project will identify and document those options to facilitate removing the private apartments from the campus service.

A/E Consultant Requirements

Consultants should have specific expertise and experience in the analysis and design of sanitary sewer systems as part of a design team. Work includes site surveys, acquiring field data, and verifying as-built conditions to assure accurate development of design and bidding documents, and production of necessary design and bidding documents. Consultants should indicate specific projects from past experience (including size, cost, and completion date) in their letter of interest and when known, include proposed consulting partners and specialty consultants.

The consultant will verify project scope, schedule, and budget estimates, and recommend modifications as required to complete the specified project intent. The consultant will prepare a pre-design document to establish an appropriate project scope, budget, and schedule prior to the university seeking authority to construct from the Board of Regents and State Building Commission.

A/E Selection Required?

Commissioning

- Level 1
 Level 2

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<u>Project Budget</u>	<u>Funding Source</u>	<u>Total</u>
Construction Cost:	GFSB - Utilities Repair & Renovation [Z080]	\$0
Haz Mats:	PRSB - Utilities Repair & Renovation [T570]	\$0
Construction Total:	Agency/Institution Cash [AGF0]	\$8,500
Contingency: 15%	Gifts	\$0
A/E Design Fees: 8%	Grants	\$0
DFD Mgmt Fees: 4%	Building Trust Funds [BTF]	\$41,500
Equipment/Other:	Other Funding Source	\$0
\$50,000		\$50,000

Project Schedule

SBC Approval: 12/2014
 A/E Selection: 01/2014
 Bid Opening: 03/2015
 Construction Start: 05/2015
 Substantial Completion: 10/2015
 Project Close Out: 01/2016

Project Contact

Contact Name: Donald A. Kolbe
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 Telephone No.: (262) 595-2232 x

Project Scope Consideration Checklist

- | | <u>Y</u> | <u>N</u> |
|--|-------------------------------------|-------------------------------------|
| 1. Will the building or area impacted by the project be occupied during construction? If yes, explain how the occupants will be accommodated during construction. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <i>All project work will be coordinated through campus physical plant staff to minimize disruptions to daily operations and activities.</i> | | |
| 2. Is the project an extension of another authorized project? If so, provide the project #... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Are hazardous materials involved? If yes, what materials are involved and how will they be handled? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <i>Hazardous materials abatement is not anticipated on this project. Comprehensive building survey inventory data is not available on Wisconsin's Asbestos & Lead Management System (WALMS) <http://walms.doa.state.wi.us/>.</i> | | |
| 4. Will the project impact the utility systems in the building and cause disruptions? If yes, to what extent? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Will the project impact the heating plant, primary electrical system, or utility capacities supplying the building? If yes, to what extent? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 6. Are other projects or work occurring within this project's work area? If yes, provide the project # and/or description of the other work in the project scope. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

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7. Have you identified the WEPA designation of the project...Type I, Type II, or Type III?
Type III.
8. Is the facility listed on a historic register (federal or state), or is the facility listed by the Wisconsin Historical Society as a building of potential historic significance? If yes, describe here.
9. Are there any other issues affecting the cost or status of this project?
10. Will the construction work be limited to a particular season or window of opportunity? If yes, explain the limitations and provide proposed solution.
Project work is seasonal. Preferred project work schedule should be limited to late spring, summer, and/or early fall months if possible.
11. Will the project improve, decrease, or increase the function and costs of facilities operational and maintenance budget and the work load? If yes, to what extent?
Completion of this project will decrease operational maintenance costs and an estimated \$40K/year in utility bills.
12. Are there known code or health and safety concerns? If yes, identify and indicate if the correction or compliance measure was included in the budget estimate, or indicate plans for correcting the issue(s).
13. Are there potential energy or water usages reduction grants, rebates, or incentives for which the project may qualify (i.e. Focus on Energy <<http://www.focusonenergy.com>> or the local utility provider)? If yes, describe here.
14. If this is an energy project, indicate and describe the simple payback on state funding sources in years and the expected energy reduction here.