All Agency Project Request

2009 - 2011 Biennium

Agency	**Institution**	**Building No.**	**Building Name**
University of Wisconsin	Whitewater	285-0N-9923	Utility - Site Storm Water

Project No. 11B3C

Project Title Lauderdale Dr. Storm Water Impr

Project Intent

This project increases storm water drainage capacity and resolves flooding issues for the intersection of Lauderdale Drive and Prairie Street near Tutt Hall and Wellers Hall student residences. The underground storm water piping will be replaced with a larger sized pipe and a new northwest overland flow path will be created to direct storm water away from the residence halls.

Project Description

Project work includes replacing approximately 250 LF of 42-inch storm sewer pipe with 60-inch pipe from Pit 5 (which is located at the end of the existing 60-inch pipe) and discharging into Whitewater Creek. Associated pipe replacement work includes constructing a new 60-inch apron end wall and energy dissipation unit at Whitewater Creek. A new overland flow path directing runoff away from the residence halls will be created and new site grading and landscaping provided to protect the residence halls from flooding. Since UW-Whitewater is about to commence a campus master planning process, the storm water improvements made under this project will provide minimal permanent infrastructure modifications, especially as they relate to roadways, parking lots, and pedestrian walkways. The pending master planning process will identify appropriate solutions to address storm water for both quantity and quality issues.

Project Justification

The intersection of Lauderdale Drive and Prairie Street is at the heart of a mostly impervious drainage basin, comprised of a high proportion of buildings and paved surfaces. The slopes in this area of campus are also relatively steep and rapidly conduct water to a low point just north of Tutt Hall and Wellers Hall. The 60-inch storm sewer along Lauderdale Drive that discharges into Whitewater Creek is inadequately sized for large rainfall events and routinely floods to depths more than 18 inches. The lower levels of both Tutt and Wellers Halls are between 12 and 18 inches above the street level. Storm water enters these buildings through the sump well, sewer clean-outs, cracks in the foundation and floor, and occasionally the entrances. The lower levels of both Tutt and Wellers Hall were flooded several times during the past few years. Storm water has also flooded the adjacent Parking Lot 19 and damaged vehicles parked along the street.

A/E Consultant Requirements

☑ A/E Selection Required?

Consultants should have specific expertise and experience in storm water management, site development, and paved surfaces design. 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.

Commissioning

☑ Level 1

☐ Level 2

Project Budget

Construction Cost:		$230,800
Haz Mats:		$0
Construction Total:		$230,800
Contingency:	15%	$34,600
A/E Design Fees:	8%	$18,500
DFD Mgmt Fees:	4%	$10,600
Equipment/Other:		$0
		$294,500

Funding Source	**Total**
GFSB - Infrastructure [Z450]	$182,600
PRSB - []	$0
Agency/Institution Cash [AGF0]	$111,900
Gifts	$0
Grants	$0
Building Trust Funds [BTF]	$0
Other Funding Source	$0
	$294,500

Project Schedule

SBC Approval: 06/2011
A/E Selection: 07/2011
Bid Opening: 03/2012
Construction Start: 05/2012
Substantial Completion: 08/2012
Project Close Out: 12/2012

Project Contact

Contact Name: David R. Dorgan, P.E.
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Telephone No.: (262) 472-6729 x

Project Scope Consideration Checklist **Y** **N**

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. ☐ ☑

   All project work will be coordinated through campus physical plant staff to minimize disruptions to daily operations and activities.

2. Is the project an extension of another authorized project? If so, provide the project #... ☑ ☐

   08G3J

3. Are hazardous materials involved? If yes, what materials are involved and how will they be handled? ☐ ☑

   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/>.

4. Will the project impact the utility systems in the building and cause disruptions? If yes, to what extent? ☐ ☑

5. Will the project impact on the utility capacities supplying the building? If yes, to what extent? ☐ ☑

6. Will the project impact the heating plant or the primary electrical system supplying the campus or institution? If yes, to what extent? ☐ ☑

7. Have you identified the WEPA designation of the project...Type I, Type II, or Type III? ☑ ☐

   Type III.

8. Is the project affected by historic status? ☐ ☑

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.