



City of Madison

City of Madison
Madison, WI 53703
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Master

File Number: 18482

File ID: 18482	File Type: Resolution	Status: Report of Officer
Version: 1	Reference:	Controlling Body: COMMON COUNCIL
Lead Referral: BOARD OF PUBLIC WORKS	Cost:	File Created Date : 05/12/2010

File Name: Approving plans & specs & authorizing City Eng to work with the UW, WDNR & Dane County to design, construct, monitor & maintain beach mgnt systems consisting of an enclosure at Bernie's Beach, a deflect at BB Clarke Beach & an interceptor at UW Limnology.

Final Action:

Title: Approving plans and specifications and authorizing City Engineering to work with the University of Wisconsin, WDNR, and Dane County to design, construct, monitor and maintain beach management systems consisting of an enclosure at Bernie's Beach, a deflector at BB Clarke Beach, and an interceptor at UW Limnology.

Notes: Greg Fries, John Reimer

Code Sections:

CC Agenda Date: 06/01/2010

Indexes:

Agenda Number: 78.

Sponsors: David J. Cieslewicz, Julia S. Kerr and Marsha A. Rummel

Enactment Date:

Attachments:

Enactment Number:

Author: Rob Phillips, City Engineer

Hearing Date:

Entered by: mhacker@cityofmadison.com

Published Date:

Approval History

Version	Date	Approver	Action
1	05/12/2010	Randy Whitehead	Approve

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	BOARD OF PUBLIC WORKS	05/19/2010	RECOMMEND TO COUNCIL TO ADOPT - REPORT OF OFFICER				Pass

Action Text: A motion was made by Ald. Skidmore, seconded by Pietz, to RECOMMEND TO COUNCIL TO ADOPT - REPORT OF OFFICER. The motion passed by voice vote/other.

Notes:

1 COMMON COUNCIL 06/01/2010

Text of Legislative File 18482

Title

Approving plans and specifications and authorizing City Engineering to work with the University of Wisconsin, WDNR, and Dane County to design, construct, monitor and maintain beach management systems consisting of an enclosure at Bernie's Beach, a deflector at BB Clarke Beach, and an interceptor at UW Limnology.

Body

WHEREAS, the City of Madison is a signatory to a Memorandum of Understanding with the WDNR, DATCP, and Dane County acknowledging water quality problems at 6 beaches throughout the City; and

WHEREAS, beaches are most often closed due to high levels of potentially toxic blue green algae; and

WHEREAS, the water quality condition of beaches is affected by source area loading and then transport of substances to beach areas is achieved through lake processes; and

WHEREAS, the ultimate solution of improving water quality in the lakes is reducing the overall level of nutrients in the lakes and these efforts are the centerpiece of past and ongoing watershed management programs; and

WHEREAS, given the above, the suggestion was to improve the quality of the water immediately within the beach swimming area; and

WHEREAS, the method to complete this is to expand on the work completed in Lake Wingra by the University of Wisconsin several years ago, where an enclosure was used to reduce sediment re-suspension due to carp activity and dampen wave impacts; and

WHEREAS, that constructed enclosure was successful at increasing water clarity while decreasing turbidity within the enclosure and this provides our basis to verify if similar approaches can be implemented to exclude, deflect or intercept bacteria and blue green algae at beach areas,

NOW, THEREFORE, BE IT RESOLVED that the plans and specifications are hereby approved for an enclosure at Bernie's Beach, a deflector at BB Clarke Beach, and an interceptor at UW Limnology, and

BE IT FURTHER RESOLVED that City Engineering, in cooperation with other agencies, shall construct, monitor, and maintain the three (3) types of beach management systems described above.

Fiscal Note

Estimated costs of this project will be: \$12,000.00 for construction of enclosure at Bernie's. \$15,000.00 for monitoring at Bernie's and \$20,000.00 for monitoring at BB Clarke. (Monitoring costs are slightly lower at Bernie's as existing monitoring programs for Monona Bay can be modified to

help defray these costs.) Construction and materials cost for the deflector at BB Clarke are being covered by Dane County and the WDNR.

Funding for this project will be from

- ESTM-55510-563245-00-53W1070 - \$12,000.00
- ESTM-56530-563245-00-53W1070 - \$10,000.00
- ESTN-54951-563245-00-53W1070 - \$5,000.00
- ESTM-56530-563245-00-53W1076 - \$10,000.00
- ESTM-54951-536245-00-53W1076 - \$10,000.00.