



February 16, 2012

Chairman and Town Board Members
Town of Middleton
7555 W. Old Sauk Road
Verona, WI 53593

Re: 2012 Dane County Urban Water Quality Grant
Twin Valley Road – 2012 Stormwater Project

Dane County has announced its 2012 Dane County Urban Water Quality Grant. Vierbicher feels the Twin Valley Road project is a great candidate for the grant. The grant is a construction cost share for up to \$100,000. The project is slated to be constructed in summer of 2012. Grant applications are required to be submitted to Dane County by April 1, 2012. Dane County will review the application and approve the grant within a month or two.

This project involves improving the drainage conditions along the west side of Twin Valley Road from Blackhawk Road north to Black Earth Creek in the Town of Middleton. Currently, the roadside ditch is either nonexistent or full of sediment. The average ditch depth is 0.5' to 1.0' with a slope of approximately 8%. With the minimal depth and steep slope of the ditches in combination with a watershed area of approximately 75 acres, the quantity and quality of stormwater discharging to Black Earth Creek is undesirable. Black Earth Creek is a thermally sensitive creek. The influx of warm unfiltered water often picks up pollutants that can be detrimental to the aquatic community.

The project includes grading a roadside ditch on the west side of Twin Valley Road 1.5' to 2' deep with a 1-foot bottom. The steepness of the ditch will be offset by placing gabion structures in the ditch. The gabions will be approximately 1' high and will filter and slow the runoff in the ditches by promoting infiltration.

This application should not affect the bidding or construction schedule. We understand that this grant could be awarded after bids are taken, and even after construction has begun.

The Town received two Dane County Urban Water Quality grants in 2009. They declined one, but used the other grant for the Sauk Point Estates Detention Basin.

Vierbicher is proposing to complete the grant application for a fee of \$2,000. Please let us know if we should proceed.

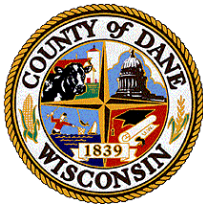
Sincerely,

Sarah V. Church, PE

SVC/lfl

cc: David Shaw, Administrator, Town of Middleton
Sara Ludtke, Public Works Coordinator, Town of Middleton
Rod Zubella, PE, Vierbicher
Tim Schleeper, PE, Vierbicher

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Dane County Land & Water Resources Department

Lakes & Watersheds • Land Acquisition • Land Conservation • Parks

Kevin F. Connors, Director

Announcement of 2012 Urban Water Quality Grant

Dane County Urban Water Quality Grant

The goals of Urban Water Quality Grant (UWQG) are to improve the quality of urban stormwater runoff entering Dane County lakes, rivers and streams, increase public awareness of urban water quality issues, and provide public education for urban stormwater quality improvement practices. The project goals will be achieved through the construction of best management practices that will provide efficient, cost-effective treatment of urban runoff.

Financial assistance is available to municipalities in the form of cost sharing up to 50% percent of the total project cost, not to exceed \$100,000.

Program Eligibility

To be considered for funding, all practices must meet the following eligibility requirements.

- Constructed and fully functional by the end of 2013.
- Designed to improve the quality of stormwater runoff from a developed drainage area with inadequate stormwater controls.
- Treat urban runoff draining to a lake, river, or stream.

Practice Selection Criteria

Applications will be evaluated based upon the following criteria:

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| <ul style="list-style-type: none">▪ Practice Performance [30%]<ul style="list-style-type: none">○ Annual sediment delivery○ Sediment removal efficiency○ Contributing watershed area○ Proximity to a beach▪ Cost [30%]<ul style="list-style-type: none">○ Total cost○ Cost-Benefit ratio (assistance-efficiency)○ Percent local match | <ul style="list-style-type: none">▪ Demonstration Value [25%]<ul style="list-style-type: none">○ Location, public visibility○ Public accessibility○ Educational value▪ Maintenance [15%]<ul style="list-style-type: none">○ Monitoring plan○ Schedule○ Cost |
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Application Requirements

All applications should include a detailed cost estimate and a preliminary set of engineering plans that address all practice performance criteria of the project. Accepted models should be used to evaluate watershed hydrology and practice efficiency. Submittals should address all selection criteria listed above.

The initial deadline for project submittals is April 1, 2012; thereafter, grant requests may be submitted and awarded until all cost-sharing funds have been committed.