

It is expected that a Quorum of the Personnel Committee, Administration Committee, and Common Council will be attending this meeting: (although it is not expected that any official action of any of those bodies will be taken)

CITY OF MENASHA
Board of Public Works
Third Floor Council Chambers
140 Main Street, Menasha
June 1, 2015
6:45 PM
or immediately following Common Council

AGENDA

- A. CALL TO ORDER
- B. ROLL CALL/EXCUSED ABSENCES
- C. MINUTES TO APPROVE
 - 1. [May 4, 2015](#)
- D. ACTION ITEMS
 - 1. [Street Use Application – Community Fest – Parade of Lights; Friday, July 3, 2015; 9:00 PM – 10:15 PM \(Cities of Neenah & Menasha\)](#)
 - 2. [Change Order – Don Hietpas & Sons, Inc.; 2015 Water Main Reconstruction Project M0002-940733; ADD: \\$45,220; Change Order No. 1](#)
 - 3. [WisDOT Tayco Storm Water Pond Memorandum of Agreement](#)
- E. ADJOURNMENT

"Menasha is committed to its diverse population. Our Non-English speaking population and those with disabilities are invited to contact the Menasha City Clerk at 967-3603 24-hours in advance of the meeting for the City to arrange special accommodations."

CITY OF MENASHA
Board of Public Works
Third Floor Council Chambers
140 Main Street, Menasha
May 4, 2015
MINUTES

DRAFT

A. CALL TO ORDER

Meeting called to order by Chairman Krautkramer at 9:18 p.m.

B. ROLL CALL/EXCUSED ABSENCES

PRESENT: Aldermen Taylor, Krautkramer, Langdon, Keehan, Zelinski, Rollins-Jump, Benner, Nichols

ALSO PRESENT: Mayor Merkes, CA Captain, PC Styka, DPW Radtke, CDD Keil, ASD Steeno, PHD McKenney, Clerk Galeazzi

C. MINUTES TO APPROVE

1. [April 21, 2015](#)

Moved by Ald. Langdon seconded by Ald. Zelinski to approve minutes.

Motion carried on voice vote.

D. DISCUSSION / ACTION ITEMS

1. [Street Use Application – Memorial Day Parade; Monday, May 25, 2015; 8:00 AM – 10:00 AM \(Twin City Veterans\)](#)

DPW Radtke reported the application is the same as previous years. Everything is in order and staff recommends approval.

Moved by Ald. Benner seconded by Ald. Nichols to recommend to Common Council Street Use Application for Memorial Day Parade, Monday May 25, 2015, 8:00 a.m.- 10:00 a.m. (Twin City Veterans)

Motion carried on roll call 8-0.

2. [Street Use Application – Diablo Cycling Criterium; Sunday, June 7, 2015; 7:00 AM – 7 PM \(Diablo Cycling\)](#)

DPW Radtke reported everything is in order and staff recommends approval.

Moved by Ald. Taylor seconded by Ald. Rollins-Jump to recommend to Common Council Street Use Application for Diablo Cycling Criterium, Sunday June 7, 2015, 7:00 a.m. – 7:00 p.m. (Diablo Cycling).

Motion carried on roll call 8-0.

3. [Change Order – Commonwealth Construction; Project PF 13B-14; ADD: \\$92.74; Change Order No. 2 \(Senior Center\)](#)

PHD McKenney explained the change order amount of \$92.74 is the difference between the additional amount for curb installation and a cost savings for an exhaust fan not required.

Moved by Ald. Nichols seconded by Ald. Keehan to recommend to Common Council Change Order for Commonwealth Construction, Project PF 13B-14, ADD \$92.74. Change Order No. 2 (Senior Center).

Motion carried on roll call 8-0.

4. [Payment – Janke General Contractors; Gilbert Riverfront Trail; Contract No. 2014-03; \\$68,951.00 \(Payment No. 1\)](#)

DPW Radtke explained the payment is for work done on the Gilbert Trail mostly for the excavation of the area by the duck pond. Some staff time was spent on inspection and tree removal.

Moved by Ald. Nichols seconded by Ald. Keehan to recommend to Common Council payment to Janke General Contractors, Gilbert Riverfront Trail, Contract No. 2014-03, \$68,951.00 (Payment No. 1).

Motion carried on roll call 8-0.

5. [Payment – Janke General Contractors; Gilbert Trestle Improvements; Contract No. 2014-04; \\$98,087.50 \(Payment No. 1\)](#)

DPW Radtke explained the payment is for site preparation for the Gilbert Trestle. He also reported staff has recently been informed there is a temporary hold on the work until the consulting engineer can complete a structural investigation of the existing trestle piers that are to be used for this portion of the pedestrian/bike trail.

Moved by Ald. Nichols seconded by Ald. Rollins-Jump to recommend to Common Council payment to Janke General Contractors, Gilbert Trestle Improvements, Contract No. 2014-04, \$98,087.50 (Payment No. 1)

Motion carried on roll call 8-0.

6. [Recommendation to Award - Contract Unit No. 2015-02; Library/City Hall Re-Roofing Project; Borsche Roofing Professionals, Inc.; \\$106,659.78](#)

DPW Radtke explained the bid submitted by Borsche Roofing Professionals, including an alternate bid for the use of a single ply TPO roofing system, was the more favorable bid. Staff recommends awarding the project to Borsche Roofing Professionals.

Moved by Ald. Nichols seconded by Ald. Keehan to recommend to Common Council Recommendation to Award, Contract Unit No. 2015-02, Library/City Hall Re-Roofing Project to Bosche Roofing Professionals, Inc, for \$106,659.78.

Motion carried on roll call 8-0.

E. ADJOURNMENT

Moved by Ald. Taylor seconded by Ald. Rollins-Jump to adjourn at 9:45 p.m.

Motion carried on voice vote.

Respectfully submitted by Deborah A. Galeazzi, WCMC, City Clerk



STREET USE APPLICATION

Event: Community Fest - Parade of Lights

Sponsored by: C. Neenah & Menasha

Responsible Person: Brian Tungate

Address: 140 Main St
Menasha WI 54952

Phone: _____

Email Address: btungate@ci.menasha.wi.us

Street Route: (Attach Map) starts in Neenah, north on Washington to Main St. (Menasha)
Description of Use east on Main to Milwaukee. North on Milwaukee to First.
East on First. Ends near library.

Street Use Date: July 3, 2015
Start Time: 9:00p
End Time: 10:15p
Number of Units: 30+
(Parades)

Liability Insurance has been secured in the amount of \$ N/A with the City of Menasha named as the additional insured. This is primary insurance.
Insurance Company _____ Policy No. _____
(Attached is a copy of the certificate of insurance and endorsement, each naming the City of Menasha as additional insured).

Date: 5-28-15 Applicant's Signature: Brian Tungate

Permit Fee: Each application for a Street Use Permit shall be accompanied by a fee of \$25.00 along with a Special Event Fee of \$25. Please make checks payable to City of Menasha in the amount of \$50.00.

Note to events planning to use City Parks and/or greenspace: Any multi-day event or event which plans to sell beer and/or wine to the public must appear before the Parks and Recreation Board.

TO BE COMPLETED BY CITY STAFF (Revised January 16, 2012)

Scheduled Park & Recreation Board Review Date: _____
Not Required: Approved: _____ Denied: _____

Scheduled Common Council Review Date: 6-15-15
Approved: _____ Denied: _____

APPROVAL:

Police Dept. 19/cg Fire Dept. 16/cg Public Works Dept. MR City Attorney _____



321 Milwaukee Street • P.O. Box 340 • Menasha, WI 54952-0340 www.menashautilities.com

MEMORANDUM

TO: Mark Radtke, Director
Public Works

FROM: Melanie Krause
General Manager

DATE: May 27, 2015

SUBJECT: Change Order Approval

At the Regular Meeting on July 30 the Menasha Utilities Commission passed a motion for the Board of Public Works to recommend to the Common Council authorization of Change Order #1 for Don Hietpas & Sons, Inc. in the amount of \$45,220. Change order is requested for additional work on Seventh Street to replace a section of water main that has experienced reoccurring water main breaks.

Copies of supporting documents are attached.

McMAHON

ENGINEERS ARCHITECTS

May 21, 2015

Ms. Melanie Krause
Menasha Utilities
321 Milwaukee Street
Menasha, WI 54952

Re: Menasha Utilities
2015 Water Main Reconstruction
Change Order #1
McM. No. M0002-940733.06

Please find attached Change Order #1 for \$45,220.00 for additional work on Seventh Street to replace a section of water main that we understand has been plagued by reoccurring water main breaks. This new contract price is \$663,578.50

It is our understanding that the original contract award amount was less than the budgeted amount and sufficient funds remain for this change order. Much of the current contract work has been completed and there do not appear to be significant increases expected in the contract price.

Please review and sign in the space provided. **Return all copies to our office.** We will obtain the contractors' signature and distribute accordingly.

Should you have questions, please contact our office at your convenience.

Very truly yours,

McMAHON


Jennifer L. Schaff, P.E.
Project Engineer

JLS;jlh

Enclosure: Change Order #1

cc: Donald Hietpas & Sons, Inc.

McMAHON

ENGINEERS ARCHITECTS

1445 McMahon Drive P.O. Box 1025
 Neenah, WI 54956 Neenah, WI 54957-1025

Telephone: (920)751-4200
 FAX: (920)751-4284

CHANGE ORDER

Donald Hietpas and Sons, Inc.
 P.O. Box 166
 1450 E. North Avenue
 Little Chute, WI 54140

Contract No. M0002-940733
 Project File No. M0002-940733
 Change Order No. One (1)
 Issue Date: May 21, 2015
 Project: Menasha Utilities | City of Menasha
2015 Water Main Reconstruction

You Are Directed To Make The Changes Noted Below In The Subject Contract:

		(Price)
	Extra Work on Seventh Street	
1.1	6" Water Main 600 Lin. Ft. @ \$48.20/LF	+ \$28,920.00
1.2	Water Main Tie Ins 3 Each @ \$1,000.00/EA	+ \$3,000.00
1.3	6" Valves..... 2 Each @ \$1,100.00/EA	+ \$2,200.00
1.4	Service Reconnect..... 5 Each @ \$700.00/EA	+ \$3,500.00
1.5	Concrete Driveway Replacement..... 400 Sq. Ft. @ \$6.50/SF	+ \$2,600.00
1.6	Asphalt Repair 100 Sq. Yd. @ \$32.00/SY	+ \$3,200.00
1.7	Terrace Restoration 1 Lump Sum @ \$1,800.00/LS	+ \$1,800.00
	TOTAL	+ \$45,220.00

The Changes Result In The Following Adjustments:

	CONTRACT PRICE	TIME
Prior To This Change Order	<u>\$618,358.50</u>	- days
Adjustments Per This Change Order	<u>+ \$45,220.00</u>	- days
Current Contract Status	<u>\$663,578.50</u>	- days

Recommended:
 McMAHON
 Neenah, Wisconsin

Accepted:
 DONALD HIETPAS & SONS, INC.
 Little Chute, Wisconsin

Authorized:
 MENASHA UTILITIES
 Winnebago County, Wisconsin

By: *[Signature]*
 Date: 5/21/15

By: _____
 Date: _____

By: _____
 Date: _____

- OWNER Copy
- CONTRACTOR Copy
- ENGINEER Copy (Contract Copy)
- FILE COPY

Four Copies Should Accompany This Change Order
Execute And Return To ENGINEER For Distribution



Memorandum

DATE: May 28, 2015

TO: Board of Public Works

FROM: Mark Radtke, Director of Public Works *MR*

RE: Authorization to Execute WisDOT Memorandum of Agreement for Tayco Storm Water Pond Construction and Maintenance

Project Description

The Wisconsin Department of Transportation (WisDOT) is finalizing plans for the proposed 2016 STH 441/Racine Road interchange. This project includes the construction of a storm water management pond in order to meet Wisconsin Department of Natural Resources (WisDNR) storm water quality requirements. The Town of Menasha and City of Menasha have requested WisDOT consider expansion of the existing Tayco Street pond to meet the WisDNR standards. WisDOT has completed its analysis of that option and concluded it will be more cost effective to expand the existing pond than to construct a new one in the same area. Therefore, this memorandum of agreement is before the City for consideration.

Terms and Conditions

Because of the recognized cost savings with the pond expansion option, WisDOT agrees to fund 100% of the construction costs for the expansion of the existing Tayco Street Pond. There will be no cost participation by either the Town or City. On our part, we recognize a cost savings resulting from the increased suspended solids and phosphorus removal achieved with the expanded pond. Therefore, the Town and City would operate and maintain the pond at no cost to WisDOT, in a similar fashion to how we currently operate and maintain the existing Tayco Pond.

This incremental increase in our share of the annual O&M costs for the pond is warranted with the increase in pollutant removal achieved by the expanded pond. It is expected suspended solids removal will increase from its existing 52% to 68%, a very significant increase, with no capital investment.

Following construction of the detention pond, WisDOT will transfer ownership of the portion constructed on WisDOT right of way to the Town and City. Currently the Tayco Pond is jointly owned by the Town (26%) and City (74%) based on pollutant removal percentages. That basis for ownership would extend to the new expanded pond.

Recommendation

Because of the 100% WisDOT funding proposal for the pond expansion construction costs, the significant increase in the City storm water pollutant removal levels achieved with the expanded pond, and the minimal expected increase in the annual operation and maintenance costs for the City of Menasha, it is my recommendation the City executes the Memorandum of Agreement for Storm Water Detention Pond Construction and Maintenance pending the City Attorney's final review of the document.

Enclosure

Memorandum of Agreement for Stormwater Detention Pond Construction and Maintenance
between
City of Menasha, Town of Menasha, and Wisconsin DOT
5/18/15

Project ID 1517-07-04 & 1517-75-75
USH 10 – USH 10/STH 441
USH 10
Winnebago County

Introduction

This Memorandum of Agreement (MOA) documents decisions and responsibilities agreed to by the Wisconsin Department of Transportation (Department); and the City of Menasha and Town of Menasha (Municipalities); through each agency undersigned duly authorized officers or officials.

The purpose of the MOA is to specify:

- Construction responsibilities of the Department
- Repair responsibilities of all parties
- Maintenance responsibilities of all parties
- Land ownership responsibilities of all parties
- Land use change responsibilities of all parties

Project Concepts

As part of the US 10/ WIS 441 Tri-County Expansion Project, under construction project ID 1517-75-75 (the "Project"), which is currently scheduled to be completed by December of 2016 the Department will construct a stormwater detention pond and related stormwater management facilities, as more fully described herein (the "Detention Pond") northwest of the Racine Road interchange in order to meet Wisconsin Department of Natural Resources (DNR) stormwater quality requirements. The planned location for the Detention Pond is adjacent to an existing stormwater pond located off of Tayco Street which is jointly owned and operated by the Town of Menasha and City of Menasha.

The Town of Menasha, City of Menasha, and Winnebago County have approached the Department expressing interest in combining these stormwater detention facilities by expanding the existing Tayco Street detention pond. The local municipalities initially presented a memorandum dated September 19, 2013 to the Department with alternatives for combining these ponds and they have sent letters dated December 12, 2013 and May 27, 2014 requesting the Department review this request and give approval to a joint State/Local relationship to address stormwater needs on the US 10/WIS 441 corridor.

In response to the request presented by the Municipalities, the Department recognizes a cost savings that would result from not needing to construct additional storm sewer that would be necessary to keep the stormwater facilities separate. Since this cost savings is expected to be equal or greater than the additional excavation and construction cost to expand the existing Tayco Street pond, the Department agrees to fund the construction costs for expansion of the existing Detention Pond. Hence, no cost participation will be required by the Municipalities as part of the expansion of the existing Detention Pond.

The Municipalities recognize a cost savings would result from the additional stormwater quality improvement on the watershed within their boundaries that would be treated at the Detention Pond. This will reduce or eliminate their need to construct a separate stormwater pond in the area or construct more costly measures such as biofilters or underground storage. Hence, the municipalities are willing to operate and maintain the Detention Pond at no cost to the Department.

Detention Pond Construction Responsibilities

The Department shall complete expansion of the existing Detention Pond funded 100% by the Department to provide a 68% total suspended solids (TSS) reduction in accordance with the current WinSLAMM computer model and current Wisconsin Department of Natural Resource guidance documents. The Department shall be responsible for securing any additional right-of-way and other property owner approvals necessary to construct and maintain (for both the Department and Municipalities) the Detention Pond contemplated by this MOA. The Department shall construct the herein described Detention Pond as part of the Project.

Detention Pond Repair Responsibilities

The Department shall be responsible for the reconstruction or repair of the Detention Pond in the event of a catastrophic flood, failure, or substantial destruction of the Detention Pond at its sole cost and expense during the construction of the Project. After the Project is complete, the Municipalities will be responsible for any reconstruction or repair of the Detention Pond at their sole cost and expense.

Detention Pond Maintenance Responsibilities

Once construction of the Project is complete, the Municipalities agree to provide future maintenance of the Detention Pond at their sole cost and expense to ensure that the Detention Pond operates properly. The Municipalities agree to provide for all regular operation and maintenance of the Detention Pond. Operation and maintenance activities include, but are not limited to, the following:

1. Mowing and trimming of vegetation around the Detention Pond.
2. Regular inspection of the Detention Pond embankments, discharge pipe, and ditches for wear and damage, and perform repairs as necessary.
3. Confirm on an annual basis the Detention Pond is operating effectively and achieving the required stormwater quality and total suspended solids (TSS) reduction of 68% in accordance with the current WinSLAMM computer model and current Wisconsin Department of Natural Resource guidance documents.
4. Dredging of soil and debris accumulation from the Detention Pond and main sedimentation basin such that the Detention Pond continues to improve stormwater quality of the area runoff.
5. Vegetation & Noxious Weeds Management of the Detention Pond
6. Algae management of the Detention Pond
7. Erosion Control of the Detention Pond
8. Nuisance wildlife management of the Detention Pond
9. Mosquito Control of the Detention Pond
10. Work or maintenance that may be necessary to maintain reasonable ingress and egress to the Detention Pond site.

Detention Pond Underlying Land ownership

Following construction of the detention pond, the municipalities agree to take ownership of the Detention Pond built on WisDOT right-of-way so that pond ownership is not split between Municipal and Department right-of-way. The transfer of the Detention Pond and underlying real estate is subject to applicable Wisconsin law.

Terms Survive Transfer

The terms of this Agreement shall survive the Detention Pond transfer of ownership from the Department to the Municipalities. All terms and rights in this Agreement shall remain in full force and effect after such transfer for so long as the Detention Ponds are used.

Department Rights

In the event the Municipalities fail to adhere to their obligations described in this agreement, the Department may, but shall not be obligated to, complete any needed repairs or maintenance to the Detention Ponds that the Department determines in its sole and reasonable discretion, are necessary for the proper operation of said Detention Ponds. However, the Department has no obligation to intervene or provide any resolution in any dispute arising between the Town of Menasha, the City of Menasha, or between either Municipality and any other party. The Town of Menasha and the City of Menasha remain wholly and severally obligated to uphold their obligations under this Agreement regardless of the outcome of any actions between the Municipalities to apportion responsibility under this Agreement.

Land Use Changes Affecting Stormwater Runoff

If either the Department or the Municipalities become aware of any proposed land use changes within the associated Detention Pond drainage basin, all parties agree to cooperate to try and minimize the potential for additional runoff that might cause overloading of the said Detention Pond's capacity. The Municipalities agree that any repair, construction, or maintenance of the Detention Pond required as a result of surrounding land use changes shall be undertaken at their sole cost and expense.

Approval of Memorandum of Agreement

This agreement is made by the undersigned under proper authority to make such agreement for the Municipalities and upon acceptance by the State shall constitute agreement between the Municipalities and the State.

Additional Costs

Nothing in this Agreement referencing costs that could be or will be incurred by the Municipalities is intended to limit the Municipalities' ability to pass said costs on to others as within their authority.

Miscellaneous Provisions

- a. This Addendum and Agreement supersedes any other previous agreement(s) between the Parties.
- b. The parties executing this Agreement represent and warrant that each have the authority to bind the Parties to the terms and conditions set forth herein. This Agreement is effective on the date the document is duly executed by all Parties hereto. This Agreement will be null and void if not duly executed by all signatories by _____, 2015.
- c. This Agreement may be executed in counterparts, and when taken together, shall be deemed one Agreement.

- d. This Agreement shall be construed according to the internal laws of the State of Wisconsin.
- e. The terms and conditions of this Agreement shall be binding upon the Parties' respective successors and assigns.
- f. The provisions of this Agreement are enforceable between the Parties hereto; however nothing in this Agreement shall prevent WisDOT from revising or revoking any permitted access points should the terms of this Agreement be breached or as otherwise permitted by law.
- g. In the event of a dispute, the Parties shall meet and attempt to resolve the dispute informally. In the event any terms of this Agreement are violated, WisDOT may take action to enforce its rights under this Agreement through judicial proceeding or other method of dispute resolution.

Signed for and in behalf of the Town of Menasha:

<u>Dale Youngquist</u> Signature	<u>Chairman</u> Title	_____ Date
<u>Karen J. Backman</u> Signature	<u>Clerk</u> Title	_____ Date
_____ Signature	_____ Title	_____ Date

Signed for and in behalf of the City of Menasha:

<u>Don Merkes</u> Signature	<u>Mayor</u> Title	_____ Date
<u>Deborah A. Galeazzi</u> Signature	<u>Clerk</u> Title	_____ Date
_____ Signature	_____ Title	_____ Date

Signed for and in behalf of the Wisconsin Department of Transportation:

_____ Printed Name	_____ Title	_____ Date
_____ Signature		



MEMORANDUM

To: Scott Ebel & Eric Sikorski, WisDOT

From: Nick Vande Hey, PE

Cc: Randy Gallow, Town of Menasha
Mark Radtke, City of Menasha

Date: September 19, 2013

Re: USH 441 Corridor Stormwater Management
McM. No. M0003-930437 & M0001-930563

As requested by the City and Town of Menasha, McMAHON evaluated a few stormwater alternatives for the USH 441 corridor. The stormwater analysis is a follow item from the WisDOT / Municipality Drainage Discussion on June 12, 2013. For reference, a copy of the June 12th meeting minutes and handouts are provided in Attachment A.

The purpose of this stormwater analysis is to provide the Town of Menasha, City of Menasha and WisDOT with additional alternatives that relates to improving stormwater quality and/or flooding along the USH 441 corridor. The WisDOT anticipates reconstruction of the east portion of USH 441 to begin in 2016. The USH 441 reconstruction project provides several "big picture" stormwater opportunities that may not otherwise be practical. Also, in addition to the "big picture" benefits, incorporating stormwater management facilities into a reconstruction project is typically more cost effective than retrofitting existing infrastructure.

Background

The Town of Menasha, City of Menasha, City of Appleton, Winnebago County and WisDOT have municipal separate storm sewer systems (MS4) located along the USH 441 corridor. As part of the Wisconsin Department of Natural Resource (WDNR) MS4 Permit program, each entity will be responsible for achieving compliance with the total phosphorus (TP) and total suspended solid (TSS) allocations contained within the Lower Fox River Basin Total Maximum Daily Load (TMDL). The TMDL identifies a 30% TP reduction and 65% TSS reduction for MS4s discharging stormwater into the Fox River.

Methodology

The XP-SWMM computer model was used for this hydrologic and hydraulic analysis. The SWMM model was used to generate surface runoff hydrographs. The hydrographs include information such as peak flow rates, time of peak flow rates, and runoff volumes. The SWMM model was also used to combine, split, and hydraulically route hydrographs through storm sewers, channels and detention ponds. The U.S. Department of Agriculture, Natural Resource Conservation Service (NRCS or formerly SCS), Technical Release 55 methodology was used to develop the rainfall / runoff relationship for the analysis.

The WinSLAMM computer model was used for the stormwater quality analysis. The WinSLAMM model was used to predict urban non-point source pollutants. WinSLAMM calculates the mass of particulate and filterable pollutants. WinSLAMM also calculates the amount of pollutant removal provided by Best Management Practices (BMP), including wet detention ponds.

Tayco Pond Expansion

Based on information shared during the June 12th meeting, the WisDOT proposes to construct Pond #3 directly adjacent to Tayco Pond. The Pond #3 location is depicted in Figure 1. The WisDOT anticipates that Pond #3 will provide a 68% TSS reduction for a 91 acre watershed. In addition, if the Pond #3 permanent pool elevation is set at elevation 741, McMAHON estimates that Pond #3 will provide a 100-year water surface elevation of 747.25 at USH 441 station 221+50. Station 221+50 contains a USH 441 low point that is a flooding concern to the WisDOT. It is noteworthy that preliminary plans for USH 441 (dated November 30, 2012) indicate the Pond #3 permanent pool elevation is 740. Based on McMAHON's review of stream elevations on the Tayco Pond parcel, the Pond #3 permanent pool elevation will likely need to be increased from 740 to approximately 741 or 742. Based on the stream channel elevations, McMAHON used an assumed permanent pool elevation of 741 for the hydrologic and hydraulic analysis.

The City of Menasha and Town of Menasha jointly own, operate and maintain the existing Tayco Pond. The existing Tayco Pond is currently designed to achieve a 52% TSS reduction for a 1,217 acre watershed. Currently, the low point located at USH 441 station 221+50 does not discharge into the existing Tayco Pond. Rather, the USH 441 low point discharges to the stream located north of Tayco Pond.

The Tayco Pond Expansion is depicted in Figure 2 and Figure 2A. The Tayco Pond project involves expanding the existing permanent pool from 3.02 acres to 6.84 acres and modifying the existing outlet structure. The Tayco Pond Expansion provides a 68% TSS reduction for a 1,318 acre watershed. The 68% TSS reduction is identical to the 68% TSS reduction provided by Pond #3, except the Tayco Pond Expansion increases the water quality benefits

from a 91 acre watershed to a 1,318 acre watershed. In addition, McMAHON estimates that the Tayco Pond Expansion will provide a 100-year water surface elevation of 746.49 at the USH 441 low point (station 221+50). The 746.49 elevation is approximately 9 inches lower than the 747.25 elevation computed for the Pond #3 alternative.

Table 1 – Pond #3 (Tayco Pond) Summary

Wet Detention Pond	Watershed Acres	Permanent Pool		100-Year WS Elev.		TSS Reduction
		Acres	Elev.	Pond	USH 441*	
Pond #3	91	1.32	741.00	743.50	747.25	68%
Tayco Pond - Existing	1,217	3.02	738.50	745.09	n/a	52%
Tayco Pond - Expansion	1,318	6.84	738.50	744.78	746.49	68%

* Water surface elevation for USH 441 low point is based upon limited information and is only used for comparative purposes.

As compared to Pond #3, another benefit of the Tayco Pond Expansion is the reduced length and hence cost for rerouting the existing 96 inch storm sewer. In addition, the Tayco Pond Expansion can be used as a borrow site for the USH 441 project.

Midway Pond

Based on information shared during the June 12th meeting, the WisDOT proposes to construct Pond #4 (i.e. Midway Pond) within the existing USH 441 right-of-way, just north of Midway Road. The Pond #4 location is depicted in Figure 3. The WisDOT anticipates that Pond #4 will provide a 98% TSS reduction for a 54 acre watershed. As shown in Figure 3, an additional 43.2 acres of watershed area could drain into Pond #4 if desired by the City of Menasha and Town of Menasha. Pond #4 is anticipated to provide a 95% TSS reduction if the watershed area is increased from 54 acres to 97.2 acres. The WisDOT's proposed permanent pool elevation for Pond #4 is 756.

Alternative 1 for Pond #4 is depicted in Figure 4. Alternative 1 includes a storm sewer along Bud Drive that intercepts stormwater from a CTH P (Valley Road) watershed. Alternative 4 also includes reversing the storm sewer flow along Midway Road, between Racine Street and Pond #4, and redirecting the storm sewer into Pond #4. Alternative 1 is anticipated to provide an 85% TSS reduction for a 230 acre watershed. The permanent pool elevation for Pond #4 is 756, which is the same as the WisDOT's proposed permanent pool elevation.

Alternative 2 for Pond #4 is depicted in Figure 5. Alternative 2 includes the same Bud Drive storm sewer associated with Alternative 1. In addition to the Bud Drive storm sewer, Alternative 2 includes a larger storm sewer along Midway Road to also intercept stormwater at the intersection of Racine Road and Midway Road. Alternative 2 is anticipated to provide an 84% TSS reduction for a 260 acre watershed. The permanent pool elevation for Pond #4 is 753, which is approximately 3 feet lower than the 756 elevation shown in Figures 3 and 4.

Alternative 3 for Pond #4 is depicted in Figure 6. Alternative 3 involves redirecting the Midway Road storm sewer into Pond #4. Alternative 3 is anticipated to provide a 65% TSS reduction for a 727 acre watershed. The permanent pool elevation for Pond #4 is 743, which is approximately 13 feet lower than the 756 elevation depicted in Figure 3.

Table 2 – Pond #4 (Midway Pond) Summary

Wet Detention Pond	Watershed Acres	Permanent Pool		100-Year WS Elev.		TSS Reduction
		Acres	Elev.	Pond	Midway*	
Pond #4	54	6.56	756.00	757.82		98%
Pond #4	97	6.56	756.00	758.97	796.49	95%
Pond #4 - Alternative 1	230	6.56	756.00	762.36	796.49	85%
Pond #4 - Alternative 2	260	5.88	753.00	763.04	796.49	84%
Pond #4 - Alternative 3	727	3.70	743.00	755.25	796.49	65%

* Water surface elevation at intersection of Midway Road and Linda Avenue to monitor Pond #4 backwater impacts.

Next Steps

McMAHON recommends a follow up meeting with the Town, City and WisDOT to discuss the potential stormwater alternatives.



May 27, 2014

Town of Menasha

Municipal Offices ♦ 2000 Municipal Drive ♦ Neenah, WI 54956-5665
Phone: (920) 720-7100 ♦ Fax: (920) 720-7116
www.town-menasha.com

Brian A. Roper
US 10/WIS 441 Project Chief
Wisconsin DOT
1940 West Mason Street
Green Bay, WI 54303

RE: WIS 441 Project
Stormwater Management

Dear Mr. Roper,

The Town of Menasha, City of Menasha, City of Appleton and Winnebago County are interested in a joint meeting to discuss stormwater management along the US 10/WIS 441 highway corridor, which DOT is currently analyzing and designing. The Town of Menasha, City of Menasha and Winnebago County sent a letter to DOT in November 2013 indicating a desire to work cooperatively with the DOT on stormwater management for the benefit of all taxpayers. We have not received a formal response to the November 2013 letter and consequently are requesting a joint meeting with DOT.

As you know, the Town of Menasha, City of Menasha, City of Appleton and Winnebago County have been aware of stormwater volume and quality issues in various areas of the corridor for some time. The Town engaged McMAHON Engineers to evaluate a few alternatives that would accommodate both the corridor drainage needs along with those of the local municipalities. McMAHON has created some alternatives that seem to address the combined needs, particularly the proposed Tayco Pond Expansion and Midway Pond. These alternatives benefit the four municipalities and DOT as each of us works toward compliance with TSS and other water quality levels identified in the Lower Fox River Basin Total Maximum Daily Load (TMDL). Based on past experience, taxpayer and utility rate payer costs for stormwater management are less expensive if municipalities proactively work together. It is more cost-effective to incorporate water quality practices into an already planned construction project rather than retrofit water quality practices into an already developed watershed. We just need to find a stormwater solution and cost-sharing approach that makes sense for each municipal entity.

Our group has met with DOT project staff such as Scott Ebel and has gotten positive feedback as to the potential for joint improvements and local involvement as a part of this project. Scott had suggested that we write a letter of support from the municipalities and the County in order for DOT to review and address our request early in the design phase of the project.

As previously indicated, we are open to discussion and agreements that would result in local participation in the ongoing maintenance and upkeep of the ponds and improvements. A State/Municipal Agreement or Memorandum of Understanding could be drafted that would commit local participation or responsibility for maintenance, upkeep and O&M costs. Large scale improvement work, such as pond dredging, would probably be a split responsibility but daily, weekly, monthly maintenance could be a local responsibility.

TOWN OF MENASHA STREET DEPARTMENT

May 27, 2014

Mark Radtke, City of Menasha
Paula Vandehey, City of Appleton
Ernest Winters, Winnebago County Highway

RE: WIS 441 Project
Stormwater Management Letter

I have attached the original letter for everyone's signature. Once you receive the letter please sign it and pass it along to the next person in line. Ernie will then sign it and scan the signed letter and email a copy to everyone and then mail the original letter to the DOT.

Should you have any questions, please let me know.

Thank you,



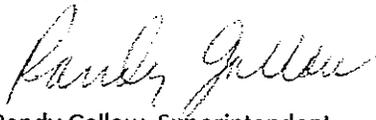
Randy Gallow
Street Superintendent
Town of Menasha

While we haven't discussed costs in detail or cost sharing amongst the four local entities, we're open to discussions of a capital cost sharing ratio of some kind. Obviously, these agreement terms would all have to be negotiated after DOT and perhaps McMAHON have more fully developed plans for the improvements and cost estimates.

Our group would ask that you and other DOT Leadership review this request and give approval to exploring a joint State/Local relationship to address stormwater needs within watersheds located along the US 10/WIS 441 corridor. We look forward to collaborating and working with you on this important issue.

Please let us know if DOT is available for a joint meeting. We would like to schedule the meeting as soon as possible.

Sincerely,

A handwritten signature in cursive script, appearing to read "Randy Gallow".

Randy Gallow, Superintendent
Town of Menasha Public Works

Mark Radtke, Director
City of Menasha Public Works Department

Paula Vandehey, Director
City of Appleton Public Works Department

Ernest Winters, Commissioner
Winnebago County Highway Department

November 20, 2013

Brian A. Roper
US 10/WIS 441 Project Chief
Wisconsin DOT
1940 West Mason Street
Green Bay, WI 54303

RE: WIS 441 Project
Storm Water Management

Dear Mr. Roper,

As you may be aware, the Town of Menasha, City of Menasha and Winnebago County are keenly interested in the US 10/WIS 441 project which DOT is currently analyzing and designing. A part of that project involves storm water management improvements to accommodate corridor and local drainage patterns.

The Town of Menasha, City of Menasha and Winnebago County have been aware of storm water volume and quality issues in various areas of the corridor for some time. The Town engaged McMahon Engineers & Architects to take a look at these issues and create some alternatives that would accommodate both the corridor drainage needs along with those of the local drainage basins. McMahon has created some alternatives that seem to address the combined needs. These alternatives not only address local needs but would also serve to benefit DOT as the State tries to achieve the TSS and other quality levels needed. Our group has met with DOT project staff such as Scott Ebel and has gotten positive feedback as to the potential for joint improvements and local involvement as a part of this project. Scott had suggested that we write a letter of support from both municipalities and the County in order for DOT to review and address our request early in the design phase of the project.

The Town, City and County are open to discussion and agreements that would result in local participation in the ongoing maintenance and upkeep of the ponds and improvements. A State/Municipal Agreement or Memorandum of Understanding could be drafted that would commit local participation or responsibility for maintenance, upkeep and O&M costs. Large scale improvement work, such as pond dredging, would probably be a split responsibility but daily, weekly, monthly maintenance could be a local responsibility.

While we haven't discussed costs in detail or cost sharing amongst the 3 local entities, we're open to discussions of a Capital cost sharing ratio of some kind. Obviously, these agreement terms would all have to be negotiated after DOT and perhaps McMahon have more fully developed plans for the improvements and cost estimates.

Our group would ask that you and other DOT Leadership review this request and give approval to exploring a joint State/Local relationship to address storm water needs on the US 10/WIS 441 corridor work.

Please let us know if you have any questions or comments.

Thank you.

Sincerely,

Randy Gallow, Superintendent
Town of Menasha Public Works

Mark Radtke, Director
City of Menasha Public Works Department

Ernest Winters, Commissioner
Winnebago County Highway Department