

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 those bodies will be taken)

**CITY OF MENASHA**  
**Board of Public Works**  
**Third Floor Council Chambers, 140 Main Street, Menasha**  
August 6, 2007

6:00 PM

**AGENDA**

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**I. CALL TO ORDER**

A. -

**II. ROLL CALL/EXCUSED ABSENCES**

A. -

**III. MINUTES TO APPROVE-MINUTES & COMMUNICATIONS TO RECEIVE**

A. July 16, 2007

[Attachments](#)

**IV. DISCUSSION**

A. Street Use Application - Grunski Runski; 2 Mile and 10K Run/Walk; Saturday, August 11, 2007; 6:30 AM - 10:30 AM; (City of Menasha Parks and Rec. Department)

[Attachments](#)

B. Street Use Application - Labor Day Parade; Monday, September 3, 2007; 9:30 AM - 11:30 AM (Fox Valley Area Labor Council)

[Attachments](#)

C. Street Use Application - St. Mary Central High Homecoming Parade; Friday, October 5, 2007; 5:00 PM - 6:00 PM

[Attachments](#)

D. Change Order - Machine Control Specialists; Contract Unit No. M0002-940266-B; Water Treatment Plant Modifications; ADD: \$2,054.00 (Change Order No. 1)

[Attachments](#)

E. Change Order - CD Smith Construction, Inc., Contract Unit No. M0002-940266.02; Water Treatment Plant Modifications; ADD: \$32,295.00 (Change Order No. 8)

[Attachments](#)

F. Change Order - CD Smith Construction, Inc.; Contract Unit No. M0002-940266.02; Water Treatment Plant Modifications; ADD: \$16,126.00 (Change Order No. 9)

[Attachments](#)

G. Recommendation to Award - Quality Concrete & Excavating, Inc. of Manawa, WI; Contract Unit No. 2007-02; Concrete Walk Reconstruction; \$51,887.70

[Attachments](#)

H. Recommendation to Award - City of Menasha Wastewater Collection System Rehabilitation Improvements - Phase 3 Project; Contract E145-07-01A; Insituform Technologies USA of Lemont, IL; \$1,582,723.00

[Attachments](#)

I. Recommendation to Award - City of Menasha Wastewater Collection System Rehabilitation Improvements - Phase 3 Project; Contract E145-07-01B; National Power Rodding Corporation of Chicago, IL; \$150,459.73

[Attachments](#)

- J. Recommendation to Award - City of Menasha Wastewater Collection System Rehabilitation Improvements - Phase 3 Project; Contract E145-07-01C; DeGroot, Inc. of Green Bay, WI; \$212,233.57**  [Attachments](#)
- K. Recommendation to Award - City of Menasha Wastewater Collection System Rehabilitation Improvements - Phase 3 Project; Contract E145-07-01D; Infrastructure Technologies, Inc.; \$312,491.00**  [Attachments](#)
- L. Request for Yield Signs at Marquette St. and Elizabeth St. (Ald. Hendricks)**  [Attachments](#)
- M. Request to Remove Street Lights in Front of 175 Main Street**  [Attachments](#)
- N. Keyes Street Speed Study Report and Recommendation**  [Attachments](#)

## **V. ADJOURNMENT**

- A. -**

Menasha is committed to its diverse population. Our Non-English speaking population or those with disabilities are invited to contact the Clerk's Office at 967-3600 at least 24-hours in advance of the meeting so special accommodations can be made.

**CITY OF MENASHA**  
**Board of Public Works**  
**Third Floor Council Chambers, 140 Main Street, Menasha**  
July 16, 2007

## MINUTES DRAFT

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### I. CALL TO ORDER

A. -

#### Motions

Motion Type	Motion Text	Made By	Seconded By	Motion Result
	Meeting called to order by Chairman Pack at 7:57 p.m.			

### II. ROLL CALL/EXCUSED ABSENCES

A. -

#### Motions

Motion Type	Motion Text	Made By	Seconded By	Motion Result
	PRESENT: Ald. Michalkiewicz, Chase, Merkes, Taylor, Wisneski, Pack, Hendricks, Eckstein.			
	ALSO PRESENT: Mayor Laux, CA/HRD Brandt, PC Stanke, CDD Keil, PRD Tungate, Clerk Galeazzi and the Press.			

### III. MINUTES TO APPROVE-MINUTES &

## COMMUNICATIONS TO RECEIVE

### A. [July 2, 2007](#)

#### Motions

Motion Type	Motion Text	Made By	Seconded By	Motion Result
Approve	Board of Public Works Minutes, 7/2/07	Alderman Michalkiewicz	Alderman Eckstein	Passed
Motion carried on voice vote.				

## IV. DISCUSSION

### A. [Recommendation to Award - Badger Highways, Inc.; Contract Unit No. 2007-01; Kaukauna Street/High Street, Street Rehabilitation - Pulverize/Resurface Asphalt Pavement; \\$80,959.80](#)

#### Motions

Motion Type	Motion Text	Made By	Seconded By	Motion Result
	No Questions or Discussion			

### B. [Street Use Application - Street Corner Fill the Boot Fundraiser for MDA; Friday, August 31, 2007; 10:00 AM to 4:00 PM \(Neenah Menasha Fire Rescue\)](#)

#### Motions

Motion Type	Motion Text	Made By	Seconded By	Motion Result
	Chairman Pack reported for N-M Fire Rescue. There will be no street closure; however the firefighters will be located in the Express Station parking lot. They have the permission of the Express Station to set up in their lot. All proceeds will go to MDA. Last year this was done in Neenah and they raised \$10,000.			
	CA/HRD Brandt explained this is a union function and the			





### STREET USE APPLICATION

Sponsored by: City of Menasha Parks and Rec. Dept.  
 Responsible Person: Brian Tunge  
 Address: 140 Main St.  
 Phone: 920-967-3641

Street Use Date: 8-11-07  
 Start Time: 6:30 am  
 End Time: 10:30 am  
 Number of Units: \_\_\_\_\_

Street Route: (Attach Map) 2 mile and 10K  
 Description of Use Grunski Runski  
specific barricade requirements  
to follow

LIABILITY INSURANCE HAS BEEN SECURED IN THE AMOUNT OF \$ \_\_\_\_\_ WITH  
**THE CITY OF MENASHA NAMED AS ADDITIONAL INSURED.**  
 Insurance Company CUMIC Policy No. \_\_\_\_\_  
 (Attached is a copy of the insurance certificate).

**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.

DATE: 7-13-07 APPLICANT'S SIGNATURE: Brian Tunge

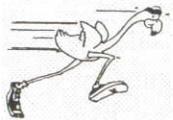
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 TO BE COMPLETED BY CITY STAFF

SCHEDULED PARK & RECREATION BOARD REVIEW DATE: \_\_\_\_\_  
 NOT REQUIRED:  APPROVED: \_\_\_\_\_ DENIED: \_\_\_\_\_

SCHEDULED COMMON COUNCIL REVIEW DATE: 8/6/07  
 APPROVED: \_\_\_\_\_ DENIED: \_\_\_\_\_

APPROVAL:  
 Police Dept. \_\_\_\_\_ Fire Dept. \_\_\_\_\_ Public Works Dept. \_\_\_\_\_ City Attorney \_\_\_\_\_

City of Menasha  
Parks & Recreation Dept.  
140 Main St  
Menasha, WI 54952 -3190



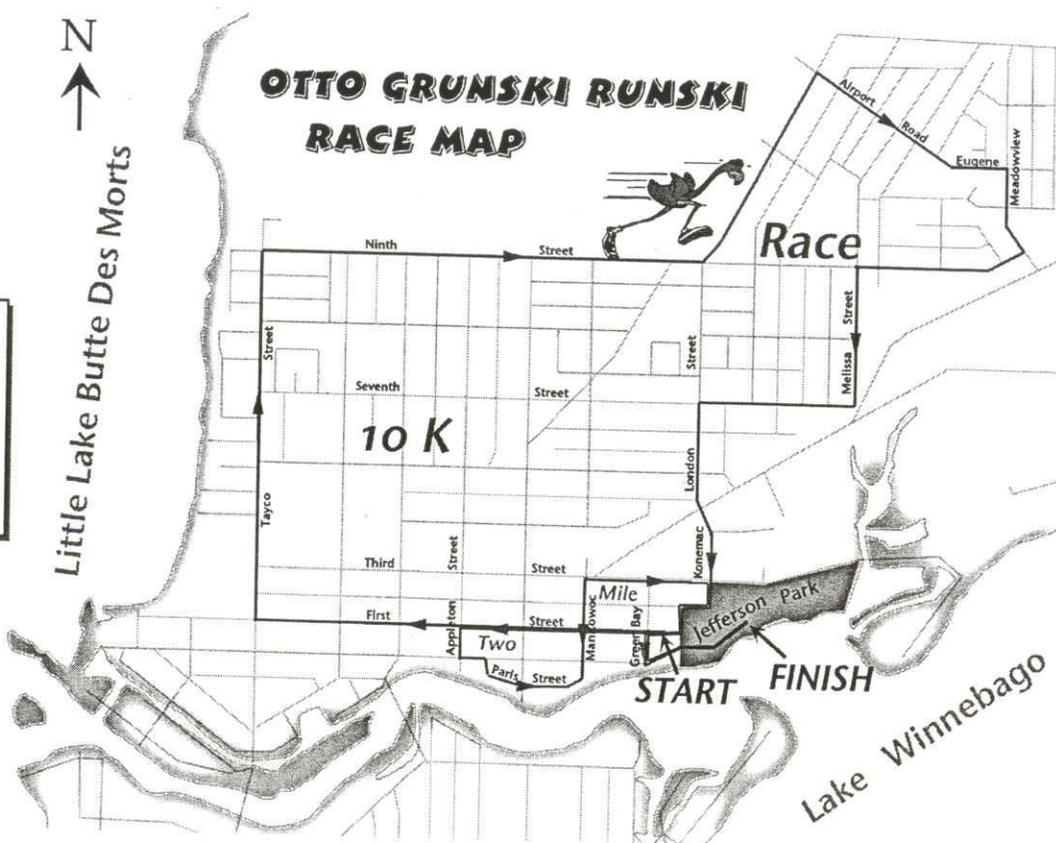
PRSR STD  
U S POSTAGE  
PAID  
PERMIT 39  
Menasha WI

# OTTO GRUNSKI RACE MAP

N  
↑  
Little Lake Butte Des Morts

**DIRECTIONS:**

From US 41: Take 41 to 441 Exit. Exit Right onto Racine and continue South. Go Left onto Third St. and continue straight. The Jefferson Park and Pool will be on your right.



Printed Courtesy of  
**POSTALANNEX+**  
Your Digital Print Center

VISIT MENASHA'S Other Attractions

Including - Friendship Trail – Fox Cities Trestle – Heckrodt Wetland Reserve and Downtown Area Featuring a Marina, Restaurants and Unique Shops

# Kaempfer & Associates, Inc.

## Consulting Engineers

650 East Jackson St. P.O. Box 150  
Oconto Falls, Wisconsin 54154  
(920) 846-3932 Fax (920) 846-8319

July 31, 2007

E145-05.10

Mr. Mark Radtke, P.E., Director of Public Works  
City of Menasha  
140 Main Street  
Menasha, WI 54952-3190

Re: Wastewater Collection System Rehabilitation Improvements - Phase 3  
Bid Award Recommendation

Dear Mr. Radtke:

On Thursday, July 26, 2007 at 2:00 p.m., bids for the Wastewater Collection System Rehabilitation Improvements Phase 3, Contract E145-07-01A for Sanitary Sewer Lining, Contract E145-07-01B for Sanitary Sewer Rehabilitation, Contract E145-07-01C for Sanitary Sewer Replacement, and Contract E145-07-01D for Sanitary Manhole Lining, were opened and read. A total of fifteen (15) bids were received from thirteen (13) contractors. Four (4) bids were received for Contract E145-07-01A, three (3) bids were received for Contract E145-07-01B, seven (7) bids were received for Contract E145-07-01C and one (1) bid was received for Contract E145-07-01D. Five (5) contractors who received plans and specifications and were prequalified by the City did not submit a bid.

The four (4) bids received for Contract E145-07-01A, Sanitary Sewer Lining, were as follows:

<u>Contractor</u>	<u>Total Bid</u>
Insituform Technologies USA	\$1,582,723.00
Terra Engineering & Construction Corp.	\$1,742,698.10
Visu-Sewer Clean & Seal, Inc.	\$1,986,276.50
Michels Corporation	\$1,997,999.00

The proposal schedule for Contract E145-07-01A contained five (5) optional work items. Optional Bid Item 9A is for sanitary sewer cured in place pipe (CIPP) lining on Melissa Street. Optional Bid Item 10A is for sanitary sewer CIPP lining on Jefferson Street and Brighton Drive. Optional Bid Item 11A is for sanitary sewer CIPP lining on Eighth Street and Harding Street. Optional Bid Item 12A is for pressure inject grouting lateral connections. Optional Bid Item 13A is for pressure inject grout material. The cost for the optional bid item work is included in the base bid. The cost for Optional Bid Items 9A, 10A, 11, 12, and 13A based on the low bidder for Contract E145-07-01A is \$63,039.00. We recommend that Optional Bid Items 9A, 10A, 11A, 12A, and 13A be included in the Sanitary Sewer Lining Contract.

No Contractors offered alternative bid items for Contract E145-07-01A, Sanitary Sewer Lining.

The three (3) bids received for Contract E145-07-01B, Sanitary Sewer Rehabilitation, were as follows:

<u>Contractor</u>	<u>Total Bid</u>
National Power Rodding Corp.	\$173,331.28
Visu-Sewer Clean & Seal, Inc.	\$201,395.00
Infrastructure Technologies, Inc.	\$258,268.35

The proposal schedule for Contract E145-07-01B contained four (4) optional work items. Optional Bid Item 24B is for CIPP spot lining on easement west of Racine Street and on easement west of Milwaukee Street. Optional Bid Item 25B is for CIPP spot lining on Melissa Street. Optional Bid Item 26B is for CIPP spot lining on Jefferson Street and Brighton Drive. Optional Bid Items 27B is for CIPP spot lining on Eighth Street and Harding Street. The cost for the optional bid item work is included in the base bid. The cost for Optional Bid Items 24B, 25B, 26B, and 27B, based on the low bidder for Contract E145-07-01B is \$32,791.55. We recommend that Optional Bid Item 24B be included in the Sanitary Sewer Rehabilitation Contract. We recommend that Optional Bid Items 25B, 26B, and 27B not be included in the Sanitary Sewer Rehabilitation Contract. Deleting Optional Bid Items 25B, 26B, and 27B will decrease the contract amount of the low bidder for Contract E145-07-01B by \$22,871.55.

Visu-Sewer Clean & Seal, Inc. offered a proposed alternative for Contract E145-07-01B, Sanitary Sewer Rehabilitation, for using Duke's root control method. We recommend that the proposed alternative not be considered because there was inadequate information and no costs were presented.

The seven (7) bids received for Contract E145-07-01C, Sanitary Sewer Replacement, were as follows:

<u>Contractor</u>	<u>Total Bid</u>
De Groot, Inc.	\$212,233.57
Ronet Construction Corp.	\$256,691.85
Don E. Parker Excavating, Inc.	\$261,825.85
Dorner, Inc.	\$286,175.50
Kruczek Construction, Inc.	\$319,319.19
Advance Construction, Inc.	\$336,460.65
PTS Contractors, Inc.	\$337,303.00

No Contractors offered alternative bid items for Contract E145-07-01C, Sanitary Sewer Replacement.

The one (1) bid received for Contract E145-07-01D, Sanitary Manhole Lining, was as follows:

<u>Contractor</u>	<u>Total Bid</u>
Infrastructure Technologies, Inc.	312,966.00

Infrastructure Technologies, Inc. offered two alternative bid items for the Contractor E145-07-01D, Manhole Lining. The first alternative bid item was for providing concrete lining of only the brick riser in place of a total manhole lining in Manhole 614 on Emily Street. The existing pavement, casting, adjustment rings, and flattop concrete section would remain in place. A copy of the alternative bid is attached. The alternate bid item would decrease Infrastructure Technologies, Inc. bid by \$475.00 for a total bid for Contract E145-07-01D of \$312,491.00. We recommend that the proposed alternative bid be

July 31, 2007

Mr. Mark Radtke, P.E., Director of Public Works

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considered for the Sanitary Manhole Lining Contract. The second alternative bid was for providing a bypass traffic control plan for lining of Manhole 395 at the intersection of Third Street and Racine Street if lining is required prior to State Trunk Highway (STH) '114' reconstruction in 2010. The alternative bid item would increase Infrastructure Technologies, Inc. bid by \$950.00. We recommend that the proposed alternative bid item not be considered.

A copy of the bid tabulation, which includes details of the unit price work items, is attached. The bid tabulation reflects the amounts after all corrections have been made. Two addenda were issued during the bidding process. All Contractors acknowledged receipt of Addendum No. 1 and Addendum No. 2. All bidders whose proposals were received were prequalified by the City of Menasha.

The Engineer's estimate for the project, based on the final design, was:

<u>Contract</u>	<u>Cost with Lining Optional Work Items</u>	<u>Cost with Spot Lining Optional Work Items</u>
Contract E145-07-01A, Sanitary Sewer Lining	\$1,867,014.00	\$1,794,698.00
Contract E145-07-01B, Sanitary Sewer Rehabilitation	\$ 200,969.00	\$ 248,069.00
Contract E145-07-01C, Sanitary Sewer Replacement	\$ 232,190.50	\$ 232,190.50
Contract E145-07-01D, Sanitary Manhole Lining	<u>\$ 498,200.00</u>	<u>\$ 498,200.00</u>
TOTAL	<u>\$2,798,373.50</u>	<u>\$2,773,157.50</u>

The sum of the low bids was nineteen percent (19%) lower than the Engineer's estimate. We are of the opinion that bidding on the project was very competitive due to the closeness of the bids and the number of bidders.

All proposals were signed and notarized and were submitted with a bid bond for five percent (5%) of the bid amount. The following irregularities were found when the bids were reviewed:

1. Terra Engineering & Construction Corp. listed multiple names for manufacturers and suppliers. Terra Engineering & Construction Corp. failed to correctly complete the Environmental Improvement Fund (EIF) MBE/WBE Contacts worksheets.
2. National Power Rodding Corp. provided a total sum for Contract E145-07-01B written in words of "One Hundred Seventy Three Thousand, Three Hundred Thirty Three Dollars and Twenty Eight cents" and a total sum written in figures of \$173,331.28. The correct total sum for Contract E145-07-01B is \$173,331.28. National Power Rodding Corp. did not provide the name of the manufacturer and supplier for the CIPP spot liner. National Power Rodding Corp. failed to correctly complete the Environmental Improvement Fund (EIF) MBE/WBE Contacts worksheets.
3. Don E. Parker Excavating, Inc. failed to correctly complete the Environmental Improvement Fund (EIF) MBE/WBE Contacts worksheets.
4. Kruczek Construction, Inc.. failed to correctly complete the Environmental Improvement Fund (EIF) MBE/WBE Contacts worksheets.
5. Infrastructure Technologies, Inc. listed the names of three suppliers for concrete.

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Mr. Mark Radtke, P.E., Director of Public Works

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We are of the opinion that the irregularities are not significant and should be waived.

We recommend that Contract E145-07-01A be awarded to Insituform Technologies USA of Lemont, Illinois in the amount of \$1,582,723.00. The amount includes Optional Bid Items 9A, 10A, 11A, 12A, and 13A.

We recommend that Contract E145-07-01B be awarded to National Power Rodding Corp. of Chicago, Illinois in the amount of \$150,459.73. The amount includes Optional Bid Item 24B and deleting Optional Bid Items 25B, 26B, and 27B.

Base Bid	\$173,331.28
Deduct Optional Bid Item 25B	(\$4,960.80)
Deduct Optional Bid Item 26B	(\$7,747.96)
Deduct Optional Bid Item 27B	<u>(\$10,162.79)</u>
TOTAL	<u>\$150,459.73</u>

We recommend that Contract E145-07-01C be awarded to De Groot, Inc. of Green Bay, Wisconsin in the amount of \$212,233.57.

We recommend that Contract E145-07-01D be awarded to Infrastructure Technologies, Inc. of Rhinelander, Wisconsin in the amount of \$312,491.00. The contract amount includes the deduct of \$475.00 for the alternative bid item for lining Manhole 614.

The total of the four (4) contracts to be awarded is \$2,257,907.30. Please contact Jeff Wolford or me if you have any questions or need additional information.

Sincerely,

**KAEMPFER & ASSOCIATES, INC.**



Taryn S. Nall, P.E.

TSN:jlb

Enc: Bid Tabulation

Bid Tabulation

Wastewater Collection System Rehabilitation Improvements - Phase 3

Contract No. E145-07-01

City of Menasha

Date: July 26, 2007

Engineer: Kaempfer & Associates, Inc.

Page 1 of 1

Contractor	E145-07-01A Sanitary Sewer Lining	E145-07-01B Sanitary Sewer Rehabilitation	E145-07-01C Sanitary Sewer Replacement	E145-07-01D Sanitary Manhole Lining	Bid Bond
Insituform Technologies USA	1,582,723.00				√
Terra Engineering & Construction Corp.	1,742,698.10				√
Visu-Sewer Clean & Seal, Inc.	1,986,276.50	201,395.00			√
Michels Corporation	1,997,999.00				√
National Power Rodding Corp.		173,331.28			√
Infrastructure Technologies, Inc.		258,268.35		312,966.00	√
De Groot, Inc.			212,233.57		√
Ronet Construction Corp.			256,691.85		√
Don E. Parker Excavating, Inc.			261,825.85		√
Dorner, Inc.			286,175.50		√
Kruczek Construction, Inc.			319,319.19		√
Advance Construction, Inc.			336,460.65		√
PTS Contractors, Inc.			337,303.00		√

WASTEWATER COLLECTION SYSTEM REHABILITATION IMPROVEMENTS PHASE 3  
 Contract E145-07-01A SANITARY SEWER LINING  
 City of Menasha, Winnebago County, Wisconsin  
 July 26, 2007

Item No.	Description	Contractor's											
		Insituform Technologies USA		Terra Engineering & Constr.		Visu-Sewer Clean & Seal, Inc.		Michels Corporation		Engineer's Estimate			
		Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost		
1A	1,006 lineal feet of 21-inch sanitary sewer CIPP lining	\$64.00	\$64,384.00	\$82.75	\$83,246.50	\$81.00	\$81,486.00	\$96.00	\$96,576.00	\$70.00	\$70,420.00		
2A	7,643 lineal feet of 18-inch sanitary sewer CIPP lining	\$44.00	\$336,292.00	\$49.75	\$380,239.25	\$59.50	\$454,738.50	\$73.00	\$557,939.00	\$55.00	\$420,365.00		
3A	2,547 lineal feet of 15-inch sanitary sewer CIPP lining	\$37.00	\$94,239.00	\$53.00	\$134,991.00	\$51.00	\$129,897.00	\$61.00	\$155,367.00	\$43.00	\$109,521.00		
4A	13,417 lineal feet of 12-inch sanitary sewer CIPP lining	\$31.00	\$415,927.00	\$30.75	\$412,572.75	\$35.25	\$472,949.25	\$34.00	\$456,178.00	\$36.00	\$483,012.00		
5A	6,546 lineal feet of 10-inch sanitary sewer CIPP lining	\$27.00	\$176,742.00	\$27.25	\$178,378.50	\$30.00	\$196,380.00	\$29.00	\$189,834.00	\$30.00	\$196,380.00		
6A	14,650 lineal feet of 8-inch sanitary sewer CIPP lining	\$24.00	\$351,600.00	\$27.75	\$406,537.50	\$31.00	\$454,150.00	\$27.00	\$395,550.00	\$28.00	\$410,200.00		
7A	220 each pressure inject grouting lateral connection	\$300.00	\$66,000.00	\$318.60	\$70,092.00	\$535.00	\$117,700.00	\$309.00	\$67,980.00	\$450.00	\$99,000.00		
8A	580 gallons of pressure inject grout material as specified in Article C2.18	\$25.00	\$14,500.00	\$19.50	\$11,310.00	\$7.00	\$4,060.00	\$20.00	\$11,600.00	\$10.00	\$5,800.00		
OPTIONAL WORK ITEMS													
9A	399 lineal feet of 12-inch sanitary sewer CIPP lining on Melissa Street	\$30.00	\$11,970.00	\$30.75	\$12,269.25	\$35.25	\$14,064.75	\$34.00	\$13,566.00	\$36.00	\$14,364.00		
10A	698 lineal feet of 10-inch sanitary sewer CIPP lining on Jefferson Street and Brighton Drive	\$28.00	\$19,544.00	\$27.25	\$19,020.50	\$30.00	\$20,940.00	\$29.00	\$20,242.00	\$30.00	\$20,940.00		
11A	879 lineal feet of 8-inch sanitary sewer CIPP lining on Eighth Street and Harding Street	\$25.00	\$21,975.00	\$27.75	\$24,392.25	\$29.00	\$25,491.00	\$27.00	\$23,733.00	\$28.00	\$24,612.00		
12A	26 each pressure inject grouting lateral connection	\$300.00	\$7,800.00	\$318.60	\$8,283.60	\$535.00	\$13,910.00	\$309.00	\$8,034.00	\$450.00	\$11,700.00		
13A	70 gallons of pressure inject grout material as specified in Article C2.18	\$25.00	\$1,750.00	\$19.50	\$1,365.00	\$7.00	\$490.00	\$20.00	\$1,400.00	\$10.00	\$700.00		
TOTAL, Part A Items 1A through 13A			\$1,582,723.00		\$1,742,698.10		\$1,986,276.50		\$1,997,999.00		\$1,867,014.00		

WASTEWATER COLLECTION SYSTEM REHABILITATION IMPROVEMENTS PHASE 3  
 Contract E145-07-01B SANITARY SEWER REHABILITATION  
 City of Menasha, Winnebago County, Wisconsin  
 July 26, 2007

Item No.	Description	National Power Rodding Corp.						Visu-Sewer Clean & Seal, Inc.			Contractor's Infrastructure Technologies			Engineer's Estimate		
		Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	
1B	41 lineal feet of 12-inch sanitary sewer CIPP spot lining	\$330.72	\$13,559.52	\$545.00	\$22,345.00	\$495.00	\$20,295.00	\$550.00	\$22,550.00	\$550.00	\$22,550.00	\$550.00	\$22,550.00	\$550.00	\$22,550.00	
2B	4 lineal feet of 10-inch sanitary sewer CIPP spot lining	\$352.18	\$1,408.72	\$510.00	\$2,040.00	\$525.00	\$2,100.00	\$550.00	\$2,200.00	\$550.00	\$2,200.00	\$550.00	\$2,200.00	\$550.00	\$2,200.00	
3B	83 lineal feet of 8-inch sanitary sewer CIPP spot lining	\$274.67	\$22,797.61	\$497.00	\$41,251.00	\$440.00	\$36,520.00	\$450.00	\$37,350.00	\$450.00	\$37,350.00	\$450.00	\$37,350.00	\$450.00	\$37,350.00	
4B	10 each pressure inject grouting lateral connection on spot lined segments	\$1,200.00	\$12,000.00	\$1,000.00	\$10,000.00	\$880.00	\$8,800.00	\$450.00	\$4,500.00	\$450.00	\$4,500.00	\$450.00	\$4,500.00	\$450.00	\$4,500.00	
5B	50 gallons of pressure inject grout material for lateral connections as specified in Article C2.18	\$8.00	\$400.00	\$5.00	\$250.00	\$17.00	\$850.00	\$10.00	\$500.00	\$10.00	\$500.00	\$10.00	\$500.00	\$10.00	\$500.00	
6B	480 each pressure testing joints in 27-inch sanitary sewer	\$53.33	\$25,598.40	\$75.00	\$36,000.00	\$55.00	\$26,400.00	\$65.00	\$31,200.00	\$65.00	\$31,200.00	\$65.00	\$31,200.00	\$65.00	\$31,200.00	
7B	240 each pressure inject grouting joints and cracks in 27-inch sanitary sewer	\$20.00	\$4,800.00	\$10.00	\$2,400.00	\$70.50	\$16,920.00	\$100.00	\$24,000.00	\$100.00	\$24,000.00	\$100.00	\$24,000.00	\$100.00	\$24,000.00	
8B	124 each pressure testing joints in 21-inch sanitary sewer	\$51.60	\$6,398.40	\$55.00	\$6,820.00	\$88.00	\$10,912.00	\$25.00	\$3,100.00	\$25.00	\$3,100.00	\$25.00	\$3,100.00	\$25.00	\$3,100.00	
9B	62 each pressure inject grouting joints and cracks in 21-inch sanitary sewer	\$15.00	\$930.00	\$10.00	\$620.00	\$82.00	\$5,084.00	\$60.00	\$3,720.00	\$60.00	\$3,720.00	\$60.00	\$3,720.00	\$60.00	\$3,720.00	
10B	3,000 gallons of pressure inject grout material for joints and cracks as specified in Article C2.18	\$7.00	\$21,000.00	\$5.00	\$15,000.00	\$17.00	\$51,000.00	\$10.00	\$30,000.00	\$10.00	\$30,000.00	\$10.00	\$30,000.00	\$10.00	\$30,000.00	
11B	207 lineal feet of root removal in 21-inch sanitary sewer	\$12.50	\$2,587.50	\$12.00	\$2,484.00	\$5.50	\$1,138.50	\$2.00	\$414.00	\$2.00	\$414.00	\$2.00	\$414.00	\$2.00	\$414.00	
12B	207 lineal feet of root treatment in 21-inch sanitary sewer	\$25.94	\$5,369.58	\$20.00	\$4,140.00	\$10.55	\$2,183.85	\$5.00	\$1,035.00	\$5.00	\$1,035.00	\$5.00	\$1,035.00	\$5.00	\$1,035.00	
13B	3 each wall repair of precast manhole	\$500.00	\$1,500.00	\$200.00	\$600.00	\$380.00	\$1,140.00	\$500.00	\$1,500.00	\$500.00	\$1,500.00	\$500.00	\$1,500.00	\$500.00	\$1,500.00	
14B	1 each pressure grout injection of lift holes in precast manhole	\$150.00	\$150.00	\$200.00	\$200.00	\$80.00	\$80.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	
15B	18 each pressure grout injection of precast manhole joint	\$300.00	\$5,400.00	\$200.00	\$3,600.00	\$300.00	\$5,400.00	\$500.00	\$9,000.00	\$500.00	\$9,000.00	\$500.00	\$9,000.00	\$500.00	\$9,000.00	
16B	13 each pressure grout injection of sanitary sewer connection in manholes	\$300.00	\$3,900.00	\$200.00	\$2,600.00	\$210.00	\$2,730.00	\$600.00	\$7,800.00	\$600.00	\$7,800.00	\$600.00	\$7,800.00	\$600.00	\$7,800.00	
17B	330 gallons of pressure grout injection material as specified in Article C2.19	\$8.00	\$2,640.00	\$5.00	\$1,650.00	\$17.00	\$5,610.00	\$10.00	\$3,300.00	\$10.00	\$3,300.00	\$10.00	\$3,300.00	\$10.00	\$3,300.00	
18B	2 each invert construction in sanitary manhole	\$1,200.00	\$2,400.00	\$200.00	\$400.00	\$420.00	\$840.00	\$1,500.00	\$3,000.00	\$1,500.00	\$3,000.00	\$1,500.00	\$3,000.00	\$1,500.00	\$3,000.00	
19B	1 each obstruction removal in 48-inch sanitary sewer	\$1,000.00	\$1,000.00	\$600.00	\$600.00	\$1,850.00	\$1,850.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	
20B	1 each obstruction removal in 21-inch sanitary sewer	\$1,000.00	\$1,000.00	\$600.00	\$600.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	
21B	1 each obstruction removal in 18-inch sanitary sewer	\$900.00	\$900.00	\$600.00	\$600.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	
22B	5 each obstruction removal in 12-inch sanitary sewer	\$300.00	\$1,500.00	\$600.00	\$3,000.00	\$1,250.00	\$6,250.00	\$750.00	\$3,750.00	\$750.00	\$3,750.00	\$750.00	\$3,750.00	\$750.00	\$3,750.00	
23B	11 each obstruction removal in 8-inch sanitary sewer	\$300.00	\$3,300.00	\$600.00	\$6,600.00	\$800.00	\$8,800.00	\$750.00	\$8,250.00	\$750.00	\$8,250.00	\$750.00	\$8,250.00	\$750.00	\$8,250.00	
OPTIONAL WORK ITEMS																
24B	16 lineal feet of 27-inch sanitary sewer CIPP spot lining on easement west of Racine Street and on easement west of Milwaukee Street	\$620.00	\$9,920.00	\$550.00	\$8,800.00	\$695.00	\$11,120.00	\$700.00	\$11,200.00	\$700.00	\$11,200.00	\$700.00	\$11,200.00	\$700.00	\$11,200.00	
25B	15 lineal feet of 12-inch sanitary sewer CIPP spot lining on Melissa Street	\$330.72	\$4,960.80	\$425.00	\$6,375.00	\$440.00	\$6,600.00	\$550.00	\$8,250.00	\$550.00	\$8,250.00	\$550.00	\$8,250.00	\$550.00	\$8,250.00	
26B	22 lineal feet of 10-inch sanitary sewer CIPP spot lining on Jefferson Street and Brighton Drive	\$352.18	\$7,747.96	\$380.00	\$8,360.00	\$470.00	\$10,340.00	\$500.00	\$11,000.00	\$500.00	\$11,000.00	\$500.00	\$11,000.00	\$500.00	\$11,000.00	
27B	37 lineal feet of 8-inch sanitary sewer CIPP spot lining on Eighth Street and Harding Street	\$274.67	\$10,162.79	\$380.00	\$14,060.00	\$365.00	\$13,505.00	\$450.00	\$16,650.00	\$450.00	\$16,650.00	\$450.00	\$16,650.00	\$450.00	\$16,650.00	
TOTAL, Items 1B through 27B			\$173,331.28		\$201,395.00		\$258,268.35		\$248,069.00		\$248,069.00		\$248,069.00		\$248,069.00	

WASTEWATER COLLECTION SYSTEM REHABILITATION IMPROVEMENTS PHASE 3

Contract E145-07-01C SANITARY SEWER REPLACEMENT

City of Menasha, Winnebago County, Wisconsin

July 26, 2007

Item No.	Description	De Groot, Inc.				Ronet Construction Corp.				Don E. Parker Excavating, Inc.				Dorner, Inc.				Kruczek Construction, Inc.	
		Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost		
1C	2 lineal feet of 18-inch PVC sanitary sewer pipeline spot replacement, with granular backfill	\$757.50	\$1,515.00	\$99.30	\$198.60	\$439.17	\$878.34	\$400.00	\$800.00	\$175.00	\$350.00								
2C	3 lineal feet of 10-inch PVC sanitary sewer pipeline spot replacement, with granular backfill	\$454.50	\$1,363.50	\$119.00	\$357.00	\$347.52	\$1,042.56	\$300.00	\$900.00	\$150.00	\$450.00								
3C	17 lineal feet of 8-inch PVC sanitary sewer pipeline spot replacement, with granular backfill	\$404.00	\$6,868.00	\$67.90	\$1,154.30	\$133.02	\$2,261.34	\$300.00	\$5,100.00	\$100.00	\$1,700.00								
4C	2,107 lineal feet of 8-inch PVC sanitary sewer pipeline replacement, with granular backfill	\$56.60	\$119,256.20	\$66.75	\$140,642.25	\$70.47	\$148,480.29	\$90.00	\$189,630.00	\$84.50	\$178,041.50								
5C	5 each Type 4S manhole up to 8-foot depth including up to 5 feet of interconnecting sewer and connections to existing sanitary sewers	\$2,322.81	\$11,614.05	\$4,300.00	\$21,500.00	\$5,362.00	\$26,810.00	\$2,600.00	\$13,000.00	\$5,535.00	\$27,675.00								
6C	14 vertical feet Type 4S manhole greater than 8-foot depth	\$101.00	\$1,414.00	\$400.00	\$5,600.00	\$229.00	\$3,206.00	\$185.00	\$2,590.00	\$540.00	\$7,560.00								
7C	4 each Type 4L manhole, including up to 5 feet of interconnecting sewer and connections to existing sanitary sewers	\$2,323.00	\$9,292.00	\$3,925.00	\$15,700.00	\$5,404.00	\$21,616.00	\$2,600.00	\$10,400.00	\$6,445.00	\$25,780.00								
8C	1 each replacement of cone section	\$1,010.00	\$1,010.00	\$2,282.00	\$2,282.00	\$1,923.00	\$1,923.00	\$2,200.00	\$2,200.00	\$1,500.00	\$1,500.00								
9C	2 each connection of 8-inch SL to SS pipeline	\$858.50	\$1,717.00	\$635.00	\$1,270.00	\$604.00	\$1,208.00	\$660.00	\$1,320.00	\$950.00	\$1,900.00								
10C	27 each connection of 6-inch SL to SS pipeline	\$505.00	\$13,635.00	\$640.00	\$17,280.00	\$325.00	\$8,775.00	\$325.00	\$8,775.00	\$440.00	\$11,880.00								
11C	27 each connection of 4-inch SL to SS pipeline	\$505.00	\$13,635.00	\$630.00	\$17,010.00	\$294.10	\$7,940.70	\$290.00	\$7,830.00	\$440.00	\$11,880.00								
12C	20 lineal feet of 8-inch SL replacement	\$43.43	\$868.60	\$90.00	\$1,800.00	\$80.02	\$1,600.40	\$65.00	\$1,300.00	\$107.00	\$2,140.00								
13C	270 lineal feet of 6-inch SL replacement	\$48.65	\$13,135.50	\$45.00	\$12,150.00	\$57.00	\$15,390.00	\$64.00	\$17,280.00	\$79.00	\$21,330.00								
14C	270 lineal feet of 4-inch SL replacement	\$48.12	\$12,992.40	\$45.00	\$12,150.00	\$55.55	\$14,998.50	\$62.00	\$16,740.00	\$79.00	\$21,330.00								
15C	2,107 lineal feet of sewer cleaning and televising	\$1.26	\$2,654.82	\$1.10	\$2,317.70	\$2.21	\$4,656.47	\$1.50	\$3,160.50	\$1.00	\$2,107.00								
16C	1 each abandon-in-place 36 lineal feet of 21-inch SS	\$505.00	\$505.00	\$2,615.00	\$2,615.00	\$225.00	\$225.00	\$2,200.00	\$2,200.00	\$95.00	\$95.00								
17C	1 each provide concrete pipe plug in Manhole 296	\$252.50	\$252.50	\$1,000.00	\$1,000.00	\$250.00	\$250.00	\$300.00	\$300.00	\$500.69	\$500.69								
18C	1 each abandon-in-place 185 lineal feet of 8-inch SS	\$505.00	\$505.00	\$1,665.00	\$1,665.00	\$564.25	\$564.25	\$2,650.00	\$2,650.00	\$3,100.00	\$3,100.00								
	TOTAL, Part C Items 1C through 18C		\$212,233.57		\$256,691.85		\$261,825.85		\$286,175.50		\$319,319.19								

WASTEWATER COLLECTION SYSTEM REHABILITATION IMPROVEMENTS PHASE 3  
 Contract E145-07-01C SANITARY SEWER REPLACEMENT  
 City of Menasha, Winnebago County, Wisconsin  
 July 26, 2007

Item No.	Description	Advance Construction, Inc.		PTS Contractors, Inc.		Engineer's Estimate	
		Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost
1C	2 lineal feet of 18-inch PVC sanitary sewer pipeline spot replacement, with granular backfill	\$1,000.00	\$2,000.00	\$850.00	\$1,700.00	\$100.00	\$200.00
2C	3 lineal feet of 10-inch PVC sanitary sewer pipeline spot replacement, with granular backfill	\$800.00	\$2,400.00	\$510.00	\$1,530.00	\$60.00	\$180.00
3C	17 lineal feet of 8-inch PVC sanitary sewer pipeline spot replacement, with granular backfill	\$600.00	\$10,200.00	\$310.00	\$5,270.00	\$50.00	\$850.00
4C	2,107 lineal feet of 8-inch PVC sanitary sewer pipeline replacement, with granular backfill	\$70.00	\$147,490.00	\$87.00	\$183,309.00	\$50.00	\$105,350.00
5C	5 each Type 4S manhole up to 8-foot depth including up to 5 feet of interconnecting sewer and connections to existing sanitary sewers	\$7,000.00	\$35,000.00	\$5,120.00	\$25,600.00	\$6,500.00	\$32,500.00
6C	14 vertical feet Type 4S manhole greater than 8-foot depth	\$500.00	\$7,000.00	\$260.00	\$3,640.00	\$250.00	\$3,500.00
7C	4 each Type 4L manhole, including up to 5 feet of interconnecting sewer and connections to existing sanitary sewers	\$7,000.00	\$28,000.00	\$5,100.00	\$20,400.00	\$6,500.00	\$26,000.00
8C	1 each replacement of cone section	\$3,500.00	\$3,500.00	\$1,950.00	\$1,950.00	\$3,000.00	\$3,000.00
9C	2 each connection of 8-inch SL to SS pipeline	\$2,000.00	\$4,000.00	\$1,690.00	\$3,380.00	\$600.00	\$1,200.00
10C	27 each connection of 6-inch SL to SS pipeline	\$550.00	\$14,850.00	\$790.00	\$21,330.00	\$500.00	\$13,500.00
11C	27 each connection of 4-inch SL to SS pipeline	\$540.00	\$14,580.00	\$750.00	\$20,250.00	\$500.00	\$13,500.00
12C	20 lineal feet of 8-inch SL replacement	\$250.00	\$5,000.00	\$73.00	\$1,460.00	\$50.00	\$1,000.00
13C	270 lineal feet of 6-inch SL replacement	\$101.00	\$27,270.00	\$71.00	\$19,170.00	\$40.00	\$10,800.00
14C	270 lineal feet of 4-inch SL replacement	\$100.00	\$27,000.00	\$70.00	\$18,900.00	\$35.00	\$9,450.00
15C	2,107 lineal feet of sewer cleaning and televising	\$1.95	\$4,108.65	\$2.00	\$4,214.00	\$1.50	\$3,160.50
16C	1 each abandon-in-place 36 lineal feet of 21-inch SS	\$1,440.00	\$1,440.00	\$1,500.00	\$1,500.00	\$2,000.00	\$2,000.00
17C	1 each provide concrete pipe plug in Manhole 296	\$400.00	\$400.00	\$700.00	\$700.00	\$500.00	\$500.00
18C	1 each abandon-in-place 185 lineal feet of 8-inch SS	\$2,222.00	\$2,222.00	\$3,000.00	\$3,000.00	\$5,500.00	\$5,500.00
	TOTAL, Part C Items 1C through 18C		\$336,460.65		\$337,303.00		\$232,190.50

WASTEWATER COLLECTION SYSTEM REHABILITATION IMPROVEMENTS PHASE 3  
 Contract E145-07-01D SANITARY MANHOLE LINING  
 City of Menasha, Winnebago County, Wisconsin  
 July 26, 2007

Item No.	Description	Contractor's			
		Infrastructure Unit Price	Technologies Total Cost	Engineer's Unit Price	Estimate Total Cost
1D	972 vertical feet of manhole concrete lining	\$226.00	\$219,672.00	\$325.00	\$315,900.00
2D	268 each sanitary sewer pipe connection	\$75.00	\$20,100.00	\$300.00	\$80,400.00
3D	72 each manhole flow channel construction to springline	\$367.00	\$26,424.00	\$600.00	\$43,200.00
4D	39 each manhole flow channel construction to 1-inch above crown of pipe	\$580.00	\$22,620.00	\$800.00	\$31,200.00
5D	31 each internal/external manhole chimney seal	\$280.00	\$8,680.00	\$300.00	\$9,300.00
6D	31 each urethane chimney seal	\$210.00	\$6,510.00	\$200.00	\$6,200.00
7D	31 each butyl and urethane chimney seal	\$260.00	\$8,060.00	\$300.00	\$9,300.00
8D	18 each butyl chimney seal	\$50.00	\$900.00	\$150.00	\$2,700.00
	TOTAL, Part D Items 1D through 8D		\$312,966.00		\$498,200.00

# Kaempfer & Associates, Inc.

## Consulting Engineers

650 East Jackson St. P.O. Box 150  
Oconto Falls, Wisconsin 54154  
(920) 846-3932 Fax (920) 846-8319

July 31, 2007

E145-05.10

Mr. Mark Radtke, P.E., Director of Public Works  
City of Menasha  
140 Main Street  
Menasha, WI 54952-3190

Re: Wastewater Collection System Rehabilitation Improvements - Phase 3  
Bid Award Recommendation

Dear Mr. Radtke:

On Thursday, July 26, 2007 at 2:00 p.m., bids for the Wastewater Collection System Rehabilitation Improvements Phase 3, Contract E145-07-01A for Sanitary Sewer Lining, Contract E145-07-01B for Sanitary Sewer Rehabilitation, Contract E145-07-01C for Sanitary Sewer Replacement, and Contract E145-07-01D for Sanitary Manhole Lining, were opened and read. A total of fifteen (15) bids were received from thirteen (13) contractors. Four (4) bids were received for Contract E145-07-01A, three (3) bids were received for Contract E145-07-01B, seven (7) bids were received for Contract E145-07-01C and one (1) bid was received for Contract E145-07-01D. Five (5) contractors who received plans and specifications and were prequalified by the City did not submit a bid.

The four (4) bids received for Contract E145-07-01A, Sanitary Sewer Lining, were as follows:

<u>Contractor</u>	<u>Total Bid</u>
Insituform Technologies USA	\$1,582,723.00
Terra Engineering & Construction Corp.	\$1,742,698.10
Visu-Sewer Clean & Seal, Inc.	\$1,986,276.50
Michels Corporation	\$1,997,999.00

The proposal schedule for Contract E145-07-01A contained five (5) optional work items. Optional Bid Item 9A is for sanitary sewer cured in place pipe (CIPP) lining on Melissa Street. Optional Bid Item 10A is for sanitary sewer CIPP lining on Jefferson Street and Brighton Drive. Optional Bid Item 11A is for sanitary sewer CIPP lining on Eighth Street and Harding Street. Optional Bid Item 12A is for pressure inject grouting lateral connections. Optional Bid Item 13A is for pressure inject grout material. The cost for the optional bid item work is included in the base bid. The cost for Optional Bid Items 9A, 10A, 11, 12, and 13A based on the low bidder for Contract E145-07-01A is \$63,039.00. We recommend that Optional Bid Items 9A, 10A, 11A, 12A, and 13A be included in the Sanitary Sewer Lining Contract.

No Contractors offered alternative bid items for Contract E145-07-01A, Sanitary Sewer Lining.

July 31, 2007

Mr. Mark Radtke, P.E., Director of Public Works

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The three (3) bids received for Contract E145-07-01B, Sanitary Sewer Rehabilitation, were as follows:

<u>Contractor</u>	<u>Total Bid</u>
National Power Rodding Corp.	\$173,331.28
Visu-Sewer Clean & Seal, Inc.	\$201,395.00
Infrastructure Technologies, Inc.	\$258,268.35

The proposal schedule for Contract E145-07-01B contained four (4) optional work items. Optional Bid Item 24B is for CIPP spot lining on easement west of Racine Street and on easement west of Milwaukee Street. Optional Bid Item 25B is for CIPP spot lining on Melissa Street. Optional Bid Item 26B is for CIPP spot lining on Jefferson Street and Brighton Drive. Optional Bid Items 27B is for CIPP spot lining on Eighth Street and Harding Street. The cost for the optional bid item work is included in the base bid. The cost for Optional Bid Items 24B, 25B, 26B, and 27B, based on the low bidder for Contract E145-07-01B is \$32,791.55. We recommend that Optional Bid Item 24B be included in the Sanitary Sewer Rehabilitation Contract. We recommend that Optional Bid Items 25B, 26B, and 27B not be included in the Sanitary Sewer Rehabilitation Contract. Deleting Optional Bid Items 25B, 26B, and 27B will decrease the contract amount of the low bidder for Contract E145-07-01B by \$22,871.55.

Visu-Sewer Clean & Seal, Inc. offered a proposed alternative for Contract E145-07-01B, Sanitary Sewer Rehabilitation, for using Duke's root control method. We recommend that the proposed alternative not be considered because there was inadequate information and no costs were presented.

The seven (7) bids received for Contract E145-07-01C, Sanitary Sewer Replacement, were as follows:

<u>Contractor</u>	<u>Total Bid</u>
De Groot, Inc.	\$212,233.57
Ronet Construction Corp.	\$256,691.85
Don E. Parker Excavating, Inc.	\$261,825.85
Dorner, Inc.	\$286,175.50
Kruczek Construction, Inc.	\$319,319.19
Advance Construction, Inc.	\$336,460.65
PTS Contractors, Inc.	\$337,303.00

No Contractors offered alternative bid items for Contract E145-07-01C, Sanitary Sewer Replacement.

The one (1) bid received for Contract E145-07-01D, Sanitary Manhole Lining, was as follows:

<u>Contractor</u>	<u>Total Bid</u>
Infrastructure Technologies, Inc.	312,966.00

Infrastructure Technologies, Inc. offered two alternative bid items for the Contractor E145-07-01D, Manhole Lining. The first alternative bid item was for providing concrete lining of only the brick riser in place of a total manhole lining in Manhole 614 on Emily Street. The existing pavement, casting, adjustment rings, and flattop concrete section would remain in place. A copy of the alternative bid is attached. The alternate bid item would decrease Infrastructure Technologies, Inc. bid by \$475.00 for a total bid for Contract E145-07-01D of \$312,491.00. We recommend that the proposed alternative bid be

July 31, 2007

Mr. Mark Radtke, P.E., Director of Public Works

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considered for the Sanitary Manhole Lining Contract. The second alternative bid was for providing a bypass traffic control plan for lining of Manhole 395 at the intersection of Third Street and Racine Street if lining is required prior to State Trunk Highway (STH) '114' reconstruction in 2010. The alternative bid item would increase Infrastructure Technologies, Inc. bid by \$950.00. We recommend that the proposed alternative bid item not be considered.

A copy of the bid tabulation, which includes details of the unit price work items, is attached. The bid tabulation reflects the amounts after all corrections have been made. Two addenda were issued during the bidding process. All Contractors acknowledged receipt of Addendum No. 1 and Addendum No. 2. All bidders whose proposals were received were prequalified by the City of Menasha.

The Engineer's estimate for the project, based on the final design, was:

<u>Contract</u>	<u>Cost with Lining Optional Work Items</u>	<u>Cost with Spot Lining Optional Work Items</u>
Contract E145-07-01A, Sanitary Sewer Lining	\$1,867,014.00	\$1,794,698.00
Contract E145-07-01B, Sanitary Sewer Rehabilitation	\$ 200,969.00	\$ 248,069.00
Contract E145-07-01C, Sanitary Sewer Replacement	\$ 232,190.50	\$ 232,190.50
Contract E145-07-01D, Sanitary Manhole Lining	<u>\$ 498,200.00</u>	<u>\$ 498,200.00</u>
TOTAL	<u>\$2,798,373.50</u>	<u>\$2,773,157.50</u>

The sum of the low bids was nineteen percent (19%) lower than the Engineer's estimate. We are of the opinion that bidding on the project was very competitive due to the closeness of the bids and the number of bidders.

All proposals were signed and notarized and were submitted with a bid bond for five percent (5%) of the bid amount. The following irregularities were found when the bids were reviewed:

1. Terra Engineering & Construction Corp. listed multiple names for manufacturers and suppliers. Terra Engineering & Construction Corp. failed to correctly complete the Environmental Improvement Fund (EIF) MBE/WBE Contacts worksheets.
2. National Power Rodding Corp. provided a total sum for Contract E145-07-01B written in words of "One Hundred Seventy Three Thousand, Three Hundred Thirty Three Dollars and Twenty Eight cents" and a total sum written in figures of \$173,331.28. The correct total sum for Contract E145-07-01B is \$173,331.28. National Power Rodding Corp. did not provide the name of the manufacturer and supplier for the CIPP spot liner. National Power Rodding Corp. failed to correctly complete the Environmental Improvement Fund (EIF) MBE/WBE Contacts worksheets.
3. Don E. Parker Excavating, Inc. failed to correctly complete the Environmental Improvement Fund (EIF) MBE/WBE Contacts worksheets.
4. Kruczek Construction, Inc.. failed to correctly complete the Environmental Improvement Fund (EIF) MBE/WBE Contacts worksheets.
5. Infrastructure Technologies, Inc. listed the names of three suppliers for concrete.

July 31, 2007

Mr. Mark Radtke, P.E., Director of Public Works

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We are of the opinion that the irregularities are not significant and should be waived.

We recommend that Contract E145-07-01A be awarded to Insituform Technologies USA of Lemont, Illinois in the amount of \$1,582,723.00. The amount includes Optional Bid Items 9A, 10A, 11A, 12A, and 13A.

We recommend that Contract E145-07-01B be awarded to National Power Rodding Corp. of Chicago, Illinois in the amount of \$150,459.73. The amount includes Optional Bid Item 24B and deleting Optional Bid Items 25B, 26B, and 27B.

Base Bid	\$173,331.28
Deduct Optional Bid Item 25B	(\$4,960.80)
Deduct Optional Bid Item 26B	(\$7,747.96)
Deduct Optional Bid Item 27B	<u>(\$10,162.79)</u>
TOTAL	<u>\$150,459.73</u>

We recommend that Contract E145-07-01C be awarded to De Groot, Inc. of Green Bay, Wisconsin in the amount of \$212,233.57.

We recommend that Contract E145-07-01D be awarded to Infrastructure Technologies, Inc. of Rhinelander, Wisconsin in the amount of \$312,491.00. The contract amount includes the deduct of \$475.00 for the alternative bid item for lining Manhole 614.

The total of the four (4) contracts to be awarded is \$2,257,907.30. Please contact Jeff Wolford or me if you have any questions or need additional information.

Sincerely,

**KAEMPFER & ASSOCIATES, INC.**



Taryn S. Nall, P.E.

TSN:jljb

Enc: Bid Tabulation

Bid Tabulation

Wastewater Collection System Rehabilitation Improvements - Phase 3

Contract No. E145-07-01

City of Menasha

Date: July 26, 2007

Engineer: Kaempfer & Associates, Inc.

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Contractor	E145-07-01A Sanitary Sewer Lining	E145-07-01B Sanitary Sewer Rehabilitation	E145-07-01C Sanitary Sewer Replacement	E145-07-01D Sanitary Manhole Lining	Bid Bond
Insituform Technologies USA	1,582,723.00				√
Terra Engineering & Construction Corp.	1,742,698.10				√
Visu-Sewer Clean & Seal, Inc.	1,986,276.50	201,395.00			√
Michels Corporation	1,997,999.00				√
National Power Rodding Corp.		173,331.28			√
Infrastructure Technologies, Inc.		258,268.35		312,966.00	√
De Groot, Inc.			212,233.57		√
Ronet Construction Corp.			256,691.85		√
Don E. Parker Excavating, Inc.			261,825.85		√
Dorner, Inc.			286,175.50		√
Kruczek Construction, Inc.			319,319.19		√
Advance Construction, Inc.			336,460.65		√
PTS Contractors, Inc.			337,303.00		√

WASTEWATER COLLECTION SYSTEM REHABILITATION IMPROVEMENTS PHASE 3  
 Contract E145-07-01A SANITARY SEWER LINING  
 City of Menasha, Winnebago County, Wisconsin  
 July 26, 2007

Item No.	Description	Contractor's											
		Insituform Technologies USA		Terra Engineering & Constr.		Visu-Sewer Clean & Seal, Inc.		Michels Corporation		Engineer's Estimate			
		Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost		
1A	1,006 lineal feet of 21-inch sanitary sewer CIPP lining	\$64.00	\$64,384.00	\$82.75	\$83,246.50	\$81.00	\$81,486.00	\$96.00	\$96,576.00	\$70.00	\$70,420.00		
2A	7,643 lineal feet of 18-inch sanitary sewer CIPP lining	\$44.00	\$336,292.00	\$49.75	\$380,239.25	\$59.50	\$454,738.50	\$73.00	\$557,939.00	\$55.00	\$420,365.00		
3A	2,547 lineal feet of 15-inch sanitary sewer CIPP lining	\$37.00	\$94,239.00	\$53.00	\$134,991.00	\$51.00	\$129,897.00	\$61.00	\$155,367.00	\$43.00	\$109,521.00		
4A	13,417 lineal feet of 12-inch sanitary sewer CIPP lining	\$31.00	\$415,927.00	\$30.75	\$412,572.75	\$35.25	\$472,949.25	\$34.00	\$456,178.00	\$36.00	\$483,012.00		
5A	6,546 lineal feet of 10-inch sanitary sewer CIPP lining	\$27.00	\$176,742.00	\$27.25	\$178,378.50	\$30.00	\$196,380.00	\$29.00	\$189,834.00	\$30.00	\$196,380.00		
6A	14,650 lineal feet of 8-inch sanitary sewer CIPP lining	\$24.00	\$351,600.00	\$27.75	\$406,537.50	\$31.00	\$454,150.00	\$27.00	\$395,550.00	\$28.00	\$410,200.00		
7A	220 each pressure inject grouting lateral connection	\$300.00	\$66,000.00	\$318.60	\$70,092.00	\$535.00	\$117,700.00	\$309.00	\$67,980.00	\$450.00	\$99,000.00		
8A	580 gallons of pressure inject grout material as specified in Article C2.18	\$25.00	\$14,500.00	\$19.50	\$11,310.00	\$7.00	\$4,060.00	\$20.00	\$11,600.00	\$10.00	\$5,800.00		
OPTIONAL WORK ITEMS													
9A	399 lineal feet of 12-inch sanitary sewer CIPP lining on Melissa Street	\$30.00	\$11,970.00	\$30.75	\$12,269.25	\$35.25	\$14,064.75	\$34.00	\$13,566.00	\$36.00	\$14,364.00		
10A	698 lineal feet of 10-inch sanitary sewer CIPP lining on Jefferson Street and Brighton Drive	\$28.00	\$19,544.00	\$27.25	\$19,020.50	\$30.00	\$20,940.00	\$29.00	\$20,242.00	\$30.00	\$20,940.00		
11A	879 lineal feet of 8-inch sanitary sewer CIPP lining on Eighth Street and Harding Street	\$25.00	\$21,975.00	\$27.75	\$24,392.25	\$29.00	\$25,491.00	\$27.00	\$23,733.00	\$28.00	\$24,612.00		
12A	26 each pressure inject grouting lateral connection	\$300.00	\$7,800.00	\$318.60	\$8,283.60	\$535.00	\$13,910.00	\$309.00	\$8,034.00	\$450.00	\$11,700.00		
13A	70 gallons of pressure inject grout material as specified in Article C2.18	\$25.00	\$1,750.00	\$19.50	\$1,365.00	\$7.00	\$490.00	\$20.00	\$1,400.00	\$10.00	\$700.00		
TOTAL, Part A Items 1A through 13A			\$1,582,723.00		\$1,742,698.10		\$1,986,276.50		\$1,997,999.00		\$1,867,014.00		

WASTEWATER COLLECTION SYSTEM REHABILITATION IMPROVEMENTS PHASE 3  
 Contract E145-07-01B SANITARY SEWER REHABILITATION  
 City of Menasha, Winnebago County, Wisconsin  
 July 26, 2007

Item No.	Description	National Power Rodding Corp.						Visu-Sewer Clean & Seal, Inc.			Contractor's Infrastructure Technologies			Engineer's Estimate	
		Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost
1B	41 lineal feet of 12-inch sanitary sewer CIPP spot lining	\$330.72	\$13,559.52	\$545.00	\$22,345.00	\$495.00	\$20,295.00	\$550.00	\$22,550.00	\$550.00	\$22,550.00	\$550.00	\$22,550.00	\$550.00	\$22,550.00
2B	4 lineal feet of 10-inch sanitary sewer CIPP spot lining	\$352.18	\$1,408.72	\$510.00	\$2,040.00	\$525.00	\$2,100.00	\$550.00	\$2,200.00	\$550.00	\$2,200.00	\$550.00	\$2,200.00	\$550.00	\$2,200.00
3B	83 lineal feet of 8-inch sanitary sewer CIPP spot lining	\$274.67	\$22,797.61	\$497.00	\$41,251.00	\$440.00	\$36,520.00	\$450.00	\$37,350.00	\$450.00	\$37,350.00	\$450.00	\$37,350.00	\$450.00	\$37,350.00
4B	10 each pressure inject grouting lateral connection on spot lined segments	\$1,200.00	\$12,000.00	\$1,000.00	\$10,000.00	\$880.00	\$8,800.00	\$450.00	\$4,500.00	\$450.00	\$4,500.00	\$450.00	\$4,500.00	\$450.00	\$4,500.00
5B	50 gallons of pressure inject grout material for lateral connections as specified in Article C2.18	\$8.00	\$400.00	\$5.00	\$250.00	\$17.00	\$850.00	\$10.00	\$500.00	\$10.00	\$500.00	\$10.00	\$500.00	\$10.00	\$500.00
6B	480 each pressure testing joints in 27-inch sanitary sewer	\$53.33	\$25,598.40	\$75.00	\$36,000.00	\$55.00	\$26,400.00	\$65.00	\$31,200.00	\$65.00	\$31,200.00	\$65.00	\$31,200.00	\$65.00	\$31,200.00
7B	240 each pressure inject grouting joints and cracks in 27-inch sanitary sewer	\$20.00	\$4,800.00	\$10.00	\$2,400.00	\$70.50	\$16,920.00	\$100.00	\$24,000.00	\$100.00	\$24,000.00	\$100.00	\$24,000.00	\$100.00	\$24,000.00
8B	124 each pressure testing joints in 21-inch sanitary sewer	\$51.60	\$6,398.40	\$55.00	\$6,820.00	\$88.00	\$10,912.00	\$25.00	\$3,100.00	\$25.00	\$3,100.00	\$25.00	\$3,100.00	\$25.00	\$3,100.00
9B	62 each pressure inject grouting joints and cracks in 21-inch sanitary sewer	\$15.00	\$930.00	\$10.00	\$620.00	\$82.00	\$5,084.00	\$60.00	\$3,720.00	\$60.00	\$3,720.00	\$60.00	\$3,720.00	\$60.00	\$3,720.00
10B	3,000 gallons of pressure inject grout material for joints and cracks as specified in Article C2.18	\$7.00	\$21,000.00	\$5.00	\$15,000.00	\$17.00	\$51,000.00	\$10.00	\$30,000.00	\$10.00	\$30,000.00	\$10.00	\$30,000.00	\$10.00	\$30,000.00
11B	207 lineal feet of root removal in 21-inch sanitary sewer	\$12.50	\$2,587.50	\$12.00	\$2,484.00	\$5.50	\$1,138.50	\$2.00	\$414.00	\$2.00	\$414.00	\$2.00	\$414.00	\$2.00	\$414.00
12B	207 lineal feet of root treatment in 21-inch sanitary sewer	\$25.94	\$5,369.58	\$20.00	\$4,140.00	\$10.55	\$2,183.85	\$5.00	\$1,035.00	\$5.00	\$1,035.00	\$5.00	\$1,035.00	\$5.00	\$1,035.00
13B	3 each wall repair of precast manhole	\$500.00	\$1,500.00	\$200.00	\$600.00	\$380.00	\$1,140.00	\$500.00	\$1,500.00	\$500.00	\$1,500.00	\$500.00	\$1,500.00	\$500.00	\$1,500.00
14B	1 each pressure grout injection of lift holes in precast manhole	\$150.00	\$150.00	\$200.00	\$200.00	\$80.00	\$80.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00
15B	18 each pressure grout injection of precast manhole joint	\$300.00	\$5,400.00	\$200.00	\$3,600.00	\$300.00	\$5,400.00	\$500.00	\$9,000.00	\$500.00	\$9,000.00	\$500.00	\$9,000.00	\$500.00	\$9,000.00
16B	13 each pressure grout injection of sanitary sewer connection in manholes	\$300.00	\$3,900.00	\$200.00	\$2,600.00	\$210.00	\$2,730.00	\$600.00	\$7,800.00	\$600.00	\$7,800.00	\$600.00	\$7,800.00	\$600.00	\$7,800.00
17B	330 gallons of pressure grout injection material as specified in Article C2.19	\$8.00	\$2,640.00	\$5.00	\$1,650.00	\$17.00	\$5,610.00	\$10.00	\$3,300.00	\$10.00	\$3,300.00	\$10.00	\$3,300.00	\$10.00	\$3,300.00
18B	2 each invert construction in sanitary manhole	\$1,200.00	\$2,400.00	\$200.00	\$400.00	\$420.00	\$840.00	\$1,500.00	\$3,000.00	\$1,500.00	\$3,000.00	\$1,500.00	\$3,000.00	\$1,500.00	\$3,000.00
19B	1 each obstruction removal in 48-inch sanitary sewer	\$1,000.00	\$1,000.00	\$600.00	\$600.00	\$1,850.00	\$1,850.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00
20B	1 each obstruction removal in 21-inch sanitary sewer	\$1,000.00	\$1,000.00	\$600.00	\$600.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00
21B	1 each obstruction removal in 18-inch sanitary sewer	\$900.00	\$900.00	\$600.00	\$600.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00
22B	5 each obstruction removal in 12-inch sanitary sewer	\$300.00	\$1,500.00	\$600.00	\$3,000.00	\$1,250.00	\$6,250.00	\$750.00	\$3,750.00	\$750.00	\$3,750.00	\$750.00	\$3,750.00	\$750.00	\$3,750.00
23B	11 each obstruction removal in 8-inch sanitary sewer	\$300.00	\$3,300.00	\$600.00	\$6,600.00	\$800.00	\$8,800.00	\$750.00	\$8,250.00	\$750.00	\$8,250.00	\$750.00	\$8,250.00	\$750.00	\$8,250.00
OPTIONAL WORK ITEMS															
24B	16 lineal feet of 27-inch sanitary sewer CIPP spot lining on easement west of Racine Street and on easement west of Milwaukee Street	\$620.00	\$9,920.00	\$550.00	\$8,800.00	\$695.00	\$11,120.00	\$700.00	\$11,200.00	\$700.00	\$11,200.00	\$700.00	\$11,200.00	\$700.00	\$11,200.00
25B	15 lineal feet of 12-inch sanitary sewer CIPP spot lining on Melissa Street	\$330.72	\$4,960.80	\$425.00	\$6,375.00	\$440.00	\$6,600.00	\$550.00	\$8,250.00	\$550.00	\$8,250.00	\$550.00	\$8,250.00	\$550.00	\$8,250.00
26B	22 lineal feet of 10-inch sanitary sewer CIPP spot lining on Jefferson Street and Brighton Drive	\$352.18	\$7,747.96	\$380.00	\$8,360.00	\$470.00	\$10,340.00	\$500.00	\$11,000.00	\$500.00	\$11,000.00	\$500.00	\$11,000.00	\$500.00	\$11,000.00
27B	37 lineal feet of 8-inch sanitary sewer CIPP spot lining on Eighth Street and Harding Street	\$274.67	\$10,162.79	\$380.00	\$14,060.00	\$365.00	\$13,505.00	\$450.00	\$16,650.00	\$450.00	\$16,650.00	\$450.00	\$16,650.00	\$450.00	\$16,650.00
TOTAL, Items 1B through 27B			\$173,331.28		\$201,395.00		\$258,268.35		\$248,069.00		\$248,069.00		\$248,069.00		\$248,069.00

WASTEWATER COLLECTION SYSTEM REHABILITATION IMPROVEMENTS PHASE 3

Contract E145-07-01C SANITARY SEWER REPLACEMENT

City of Menasha, Winnebago County, Wisconsin

July 26, 2007

Item No.	Description	De Groot, Inc.		Ronet Construction Corp.		Don E. Parker Excavating, Inc.		Dorner, Inc.		Kruczek Construction, Inc.	
		Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost
1C	2 lineal feet of 18-inch PVC sanitary sewer pipeline spot replacement, with granular backfill	\$757.50	\$1,515.00	\$99.30	\$198.60	\$439.17	\$878.34	\$400.00	\$800.00	\$175.00	\$350.00
2C	3 lineal feet of 10-inch PVC sanitary sewer pipeline spot replacement, with granular backfill	\$454.50	\$1,363.50	\$119.00	\$357.00	\$347.52	\$1,042.56	\$300.00	\$900.00	\$150.00	\$450.00
3C	17 lineal feet of 8-inch PVC sanitary sewer pipeline spot replacement, with granular backfill	\$404.00	\$6,868.00	\$67.90	\$1,154.30	\$133.02	\$2,261.34	\$300.00	\$5,100.00	\$100.00	\$1,700.00
4C	2,107 lineal feet of 8-inch PVC sanitary sewer pipeline replacement, with granular backfill	\$56.60	\$119,256.20	\$66.75	\$140,642.25	\$70.47	\$148,480.29	\$90.00	\$189,630.00	\$84.50	\$178,041.50
5C	5 each Type 4S manhole up to 8-foot depth including up to 5 feet of interconnecting sewer and connections to existing sanitary sewers	\$2,322.81	\$11,614.05	\$4,300.00	\$21,500.00	\$5,362.00	\$26,810.00	\$2,600.00	\$13,000.00	\$5,535.00	\$27,675.00
6C	14 vertical feet Type 4S manhole greater than 8-foot depth	\$101.00	\$1,414.00	\$400.00	\$5,600.00	\$229.00	\$3,206.00	\$185.00	\$2,590.00	\$540.00	\$7,560.00
7C	4 each Type 4L manhole, including up 5 feet of interconnecting sewer and connections to existing sanitary sewers	\$2,323.00	\$9,292.00	\$3,925.00	\$15,700.00	\$5,404.00	\$21,616.00	\$2,600.00	\$10,400.00	\$6,445.00	\$25,780.00
8C	1 each replacement of cone section	\$1,010.00	\$1,010.00	\$2,282.00	\$2,282.00	\$1,923.00	\$1,923.00	\$2,200.00	\$2,200.00	\$1,500.00	\$1,500.00
9C	2 each connection of 8-inch SL to SS pipeline	\$858.50	\$1,717.00	\$635.00	\$1,270.00	\$604.00	\$1,208.00	\$660.00	\$1,320.00	\$950.00	\$1,900.00
10C	27 each connection of 6-inch SL to SS pipeline	\$505.00	\$13,635.00	\$640.00	\$17,280.00	\$325.00	\$8,775.00	\$325.00	\$8,775.00	\$440.00	\$11,880.00
11C	27 each connection of 4-inch SL to SS pipeline	\$505.00	\$13,635.00	\$630.00	\$17,010.00	\$294.10	\$7,940.70	\$290.00	\$7,830.00	\$440.00	\$11,880.00
12C	20 lineal feet of 8-inch SL replacement	\$43.43	\$868.60	\$90.00	\$1,800.00	\$80.02	\$1,600.40	\$65.00	\$1,300.00	\$107.00	\$2,140.00
13C	270 lineal feet of 6-inch SL replacement	\$48.65	\$13,135.50	\$45.00	\$12,150.00	\$57.00	\$15,390.00	\$64.00	\$17,280.00	\$79.00	\$21,330.00
14C	270 lineal feet of 4-inch SL replacement	\$48.12	\$12,992.40	\$45.00	\$12,150.00	\$55.55	\$14,998.50	\$62.00	\$16,740.00	\$79.00	\$21,330.00
15C	2,107 lineal feet of sewer cleaning and televising	\$1.26	\$2,654.82	\$1.10	\$2,317.70	\$2.21	\$4,656.47	\$1.50	\$3,160.50	\$1.00	\$2,107.00
16C	1 each abandon-in-place 36 lineal feet of 21-inch SS	\$505.00	\$505.00	\$2,615.00	\$2,615.00	\$225.00	\$225.00	\$2,200.00	\$2,200.00	\$95.00	\$95.00
17C	1 each provide concrete pipe plug in Manhole 296	\$252.50	\$252.50	\$1,000.00	\$1,000.00	\$250.00	\$250.00	\$300.00	\$300.00	\$500.69	\$500.69
18C	1 each abandon-in-place 185 lineal feet of 8-inch SS	\$505.00	\$505.00	\$1,665.00	\$1,665.00	\$564.25	\$564.25	\$2,650.00	\$2,650.00	\$3,100.00	\$3,100.00
	TOTAL, Part C Items 1C through 18C		\$212,233.57		\$256,691.85		\$261,825.85		\$286,175.50		\$319,319.19

WASTEWATER COLLECTION SYSTEM REHABILITATION IMPROVEMENTS PHASE 3  
 Contract E145-07-01C SANITARY SEWER REPLACEMENT  
 City of Menasha, Winnebago County, Wisconsin  
 July 26, 2007

Item No.	Description	Advance Construction, Inc.		PTS Contractors, Inc.		Engineer's Estimate	
		Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost
1C	2 lineal feet of 18-inch PVC sanitary sewer pipeline spot replacement, with granular backfill	\$1,000.00	\$2,000.00	\$850.00	\$1,700.00	\$100.00	\$200.00
2C	3 lineal feet of 10-inch PVC sanitary sewer pipeline spot replacement, with granular backfill	\$800.00	\$2,400.00	\$510.00	\$1,530.00	\$60.00	\$180.00
3C	17 lineal feet of 8-inch PVC sanitary sewer pipeline spot replacement, with granular backfill	\$600.00	\$10,200.00	\$310.00	\$5,270.00	\$50.00	\$850.00
4C	2,107 lineal feet of 8-inch PVC sanitary sewer pipeline replacement, with granular backfill	\$70.00	\$147,490.00	\$87.00	\$183,309.00	\$50.00	\$105,350.00
5C	5 each Type 4S manhole up to 8-foot depth including up to 5 feet of interconnecting sewer and connections to existing sanitary sewers	\$7,000.00	\$35,000.00	\$5,120.00	\$25,600.00	\$6,500.00	\$32,500.00
6C	14 vertical feet Type 4S manhole greater than 8-foot depth	\$500.00	\$7,000.00	\$260.00	\$3,640.00	\$250.00	\$3,500.00
7C	4 each Type 4L manhole, including up to 5 feet of interconnecting sewer and connections to existing sanitary sewers	\$7,000.00	\$28,000.00	\$5,100.00	\$20,400.00	\$6,500.00	\$26,000.00
8C	1 each replacement of cone section	\$3,500.00	\$3,500.00	\$1,950.00	\$1,950.00	\$3,000.00	\$3,000.00
9C	2 each connection of 8-inch SL to SS pipeline	\$2,000.00	\$4,000.00	\$1,690.00	\$3,380.00	\$600.00	\$1,200.00
10C	27 each connection of 6-inch SL to SS pipeline	\$550.00	\$14,850.00	\$790.00	\$21,330.00	\$500.00	\$13,500.00
11C	27 each connection of 4-inch SL to SS pipeline	\$540.00	\$14,580.00	\$750.00	\$20,250.00	\$500.00	\$13,500.00
12C	20 lineal feet of 8-inch SL replacement	\$250.00	\$5,000.00	\$73.00	\$1,460.00	\$50.00	\$1,000.00
13C	270 lineal feet of 6-inch SL replacement	\$101.00	\$27,270.00	\$71.00	\$19,170.00	\$40.00	\$10,800.00
14C	270 lineal feet of 4-inch SL replacement	\$100.00	\$27,000.00	\$70.00	\$18,900.00	\$35.00	\$9,450.00
15C	2,107 lineal feet of sewer cleaning and televising	\$1.95	\$4,108.65	\$2.00	\$4,214.00	\$1.50	\$3,160.50
16C	1 each abandon-in-place 36 lineal feet of 21-inch SS	\$1,440.00	\$1,440.00	\$1,500.00	\$1,500.00	\$2,000.00	\$2,000.00
17C	1 each provide concrete pipe plug in Manhole 296	\$400.00	\$400.00	\$700.00	\$700.00	\$500.00	\$500.00
18C	1 each abandon-in-place 185 lineal feet of 8-inch SS	\$2,222.00	\$2,222.00	\$3,000.00	\$3,000.00	\$5,500.00	\$5,500.00
	TOTAL, Part C Items 1C through 18C		\$336,460.65		\$337,303.00		\$232,190.50

WASTEWATER COLLECTION SYSTEM REHABILITATION IMPROVEMENTS PHASE 3  
 Contract E145-07-01D SANITARY MANHOLE LINING  
 City of Menasha, Winnebago County, Wisconsin  
 July 26, 2007

Item No.	Description	Contractor's			
		Infrastructure Unit Price	Technologies Total Cost	Engineer's Unit Price	Estimate Total Cost
1D	972 vertical feet of manhole concrete lining	\$226.00	\$219,672.00	\$325.00	\$315,900.00
2D	268 each sanitary sewer pipe connection	\$75.00	\$20,100.00	\$300.00	\$80,400.00
3D	72 each manhole flow channel construction to springline	\$367.00	\$26,424.00	\$600.00	\$43,200.00
4D	39 each manhole flow channel construction to 1-inch above crown of pipe	\$580.00	\$22,620.00	\$800.00	\$31,200.00
5D	31 each internal/external manhole chimney seal	\$280.00	\$8,680.00	\$300.00	\$9,300.00
6D	31 each urethane chimney seal	\$210.00	\$6,510.00	\$200.00	\$6,200.00
7D	31 each butyl and urethane chimney seal	\$260.00	\$8,060.00	\$300.00	\$9,300.00
8D	18 each butyl chimney seal	\$50.00	\$900.00	\$150.00	\$2,700.00
	TOTAL, Part D Items 1D through 8D		\$312,966.00		\$498,200.00



## **Memorandum**

DATE: August 2, 2007

TO: City of Menasha Board of Public Works

FROM: Mark Radtke, Director of Public Works

RE: Request for Yield Signs at Marquette Street and Elizabeth Street

Before any action is taken regarding this request, it is my recommendation that an engineering study be done per the requirements of the Manual on Uniform Traffic Control Devices. This study would determine whether or not warrants are met for the installation of a yield sign at this location.

M:\work\BPW\manic-re-yield request at Marq-Eliz 8-2-07.doc

**Carol A. Schmidt**

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**From:** Mark Radtke  
**Sent:** Friday, July 27, 2007 9:15 AM  
**To:** Carol A. Schmidt  
**Subject:** FW: Possible Yeild signs at Marquette St. and Elizabeth St.

Carol,

Please place this item on the next BPW agenda.

Thanks, Mark

Mark Radtke  
Director of Public Works  
City of Menasha  
(920) 967-3611  
-----Original Message-----

**From:** Eric Hendricks  
**Sent:** Thursday, July 26, 2007 8:03 PM  
**To:** Mark Radtke  
**Subject:** RE: Possible Yeild signs at Marquette St. and Elizabeth St.

Mark,

Thanks for the info (MUTCD). Sorry it took me so long to respond to you on this subject. As you mentioned, for the city to consider a request, a resident should make a request thru an Alderman. Well, I'm so making that request on behalf of Mr. Chester Olszeuski. He brought this concern to me, and I to share his concern that a yield sign be put up at either Marquette or Elizabeth streets.

Please refer to Section 2B.09 YIELD Sign Applications: Option (d) An intersection where a special problem exists and where engineering judgment indicates the problem to be susceptible to correction by the use of the YIELD sign.

As you stated, after this request, the city would then assess the intersection conditions (sight lines, traffic volumes, pedestrian/bike volumes, etc.) and the accident history , and make a report of the findings and recommendation to the Board of Public Works.

Thank you Mark, if there is anything else I need to do to move this forward, please contact me.

Alderman Eric R. Hendricks

Eric,

I have copied the section of the Manual on Uniform Traffic Control Devices (MUTCD) that governs the use of yield signs. This is the manual which the City is obligated to follow when recommending the placement of traffic control devices (signs, traffic signals, e.g.) within public right of way. The sections in red pertain to the purpose and warrants for yield sign placement.

For the City to consider this request, the residents should submit a letter or petition explaining

what they are requesting and why they are requesting it. We would then assess the intersection conditions (sight lines, traffic volumes, pedestrian/bike volumes, etc.) and the accident history at the intersection and make a report of our findings and recommendation to the Board of Public Works.

The request can be submitted to me or through any alderman or the Mayor and can be either on hard copy or in an email message. Let me know if you have any remaining questions.

Mark

### **Section 2B.08 YIELD Sign (R1-2)**

**Standard:**

**The YIELD (R1-2) sign (see Figure 2B-1) shall be a downward-pointing equilateral triangle with a wide red border and the legend YIELD in red on a white background.**

**Support:**

The YIELD sign assigns right-of-way to traffic on certain approaches to an intersection. Vehicles controlled by a YIELD sign need to slow down or stop when necessary to avoid interfering with conflicting traffic.

### **Section 2B.09 YIELD Sign Applications**

Option:

YIELD signs may be used instead of STOP signs if engineering judgment indicates that one or more of the following conditions exist:

- A. When the ability to see all potentially conflicting traffic is sufficient to allow a road user traveling at the posted speed, the 85th-percentile speed, or the statutory speed to pass through the intersection or to stop in a reasonably safe manner.
- B. If controlling a merge-type movement on the entering roadway where acceleration geometry and/or sight distance is not adequate for merging traffic operation.
- C. The second crossroad of a divided highway, where the median width at the intersection is 9 m (30 ft) or greater. In this case, a STOP sign may be installed at the entrance to the first roadway of a divided highway, and a YIELD sign may be installed at the entrance to the second roadway.
- D. An intersection where a special problem exists and where engineering judgment indicates the problem to be susceptible to correction by the use of the YIELD sign.

Standard:

A YIELD (R1-2) sign shall be used to assign right-of-way at the entrance to a roundabout intersection.

### **Section 2B.10 YIELD Sign Placement**

**Standard:**

The YIELD sign shall be installed on the right side of the approach to which it applies. YIELD signs

shall be placed on both the left and right sides of approaches to roundabout intersections with more than one lane on the signed approach where raised splitter islands are available on the left side of the approach.

When the YIELD sign is installed at this required location and the sign visibility is restricted, a Yield Ahead sign (see Section 2C.29) shall be installed in advance of the YIELD sign.

The YIELD sign shall be located as close as practical to the intersection it regulates, while optimizing its visibility to the road user it is intended to regulate.

YIELD signs and STOP signs shall not be mounted on the same post.

Guidance:

Other than a DO NOT ENTER sign, no sign should be mounted back-to-back with a YIELD sign in a manner that obscures the shape of the YIELD sign.

### **Support:**

Section 2A.16 contains additional information about separate and combined mounting of other signs with YIELD signs.

Guidance:

Yield lines, when used to supplement a YIELD sign, should be located at a point where the road user should yield (see Section 3B.16).

Where two roads intersect at an acute angle, the YIELD sign should be positioned at an angle, or shielded, so that the legend is out of view of traffic to which it does not apply.

Page 2B-10 2003 Edition

Sect. 2B.10 to 2B.13

Except at roundabout intersections, where there is a marked crosswalk at the intersection, the YIELD sign should be installed in advance of the crosswalk line nearest to the approaching traffic.

At a roundabout intersection, to prevent circulating vehicles from yielding unnecessarily, the face of the YIELD sign should not be visible from the circulatory roadway.

Option:

At wide-throat intersections or where two or more approach lanes of traffic exist on the signed approach, observance of the yield control may be improved by the installation of an additional YIELD sign on the left side of the road and/or the use of a yield line. At channelized intersections, the additional YIELD sign may be effectively placed on a channelizing island.

Mark Radtke  
Director of Public Works  
City of Menasha

(920) 967-3611

-----Original Message-----

**From:** Eric Hendricks

**Sent:** Tuesday, July 10, 2007 12:18 PM

**To:** Mark Radtke

**Subject:** Possible Yield signs at Marquette St. and Elizabeth St.

Mark,

After last council meeting we briefly spoke about several residents concerns about the traffic rite of way confusion at Marquette and Elizabeth streets. Is it possible for you to gather some info for me as to what it would take to install a few Yield signs.

Thanks

Alderman Eric R. Hendricks



## **Memorandum**

DATE: August 2, 2007

TO: City of Menasha Board of Public Works

FROM: Mark Radtke, Director of Public Works

RE: Request to Remove Street Light in Front of 175 Main Street

Attached is a drawing indicating the locations of existing street lights in the vicinity of the Vault Lounge. The request is to remove the street light pole in front of the entrance to the restaurant. Street light design stresses the importance of lighting intersections due to the higher number of traffic and traffic/pedestrian conflict points.

If the pole in question is removed, you can see from the drawing there will be a significant gap in lighting along the south side of Main Street. There will be ambient light from the remaining street lights, but the lighting will not be uniform in this area. My recommendation is to remove the two light fixtures on a trial basis with the pole remaining intact and evaluate the light levels at that time. A final decision could be made subsequent to the trial removal of the light fixtures.

M:\ward\BP\01\memo to board\light\_175 Main St 8-2-07.doc



James Olsen  
175 Main Street  
Menasha, WI 54952

Friday, July 13, 2007

Mayor Joe Laux  
City Of Menasha  
140 Main Street  
Menasha, WI 54952

To: Common Council  
Fr: Mayor  
Mark, please place  
on the next public  
works agenda. Thanks.

RE: Street Light in Front of 175 Main Street - Old 1st National Bank Buildings

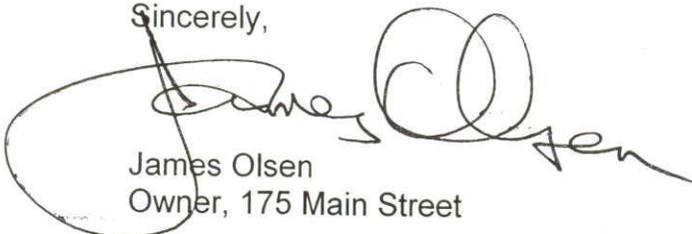
Dear Mayor Laux:

In the context of the city's review of appropriate street lights, I would ask you to consider the removal of the light in front of 175 Main Street. It appears to have been placed in uniform spacing from west to east, with a much shorter span to the next double one east at the south west corner of Main Street and Mill Street.

The light is off center of the very symmetrical and historically significant 1917 facade of the old bank. It both detracts aesthetically from this important structure, and impedes the sense of entry in to the building. In addition, there are two double lights, one on each side of the Milwaukee Street corner, just across from this one, to the north and a third double, in front of the fountain, within 40 feet or so of the corner light. This means that there are 5 double street lights within a radius of 30-40 feet, surrounding the intersection of Milwaukee Street and Main Street.

I believe that removal of one would not impede vision or safety, save the city maintenance and operations expense, and greatly improve the look and function of 175 Main Street. Please consider this request when you can with the appropriate city agencies.

Sincerely,



James Olsen  
Owner, 175 Main Street

Cc: Greg Kiel  
Mark Radtke



August 2, 2007

Board of Public Works  
City of Menasha  
Menasha, WI 54952

RE: Speed Study Report – Keyes Street

Members of the Board:

The Board of Public Works directed that a speed study be done to determine the need for traffic control signage on Keyes Street. The posted speed limit is 25 mph and the existing traffic control signage on Keyes Street itself is a stop sign at the intersection of Keyes, Naymut and Riverway. All of the streets that intersect with Keyes Street are controlled by stop signs on the respective intersecting street. Keyes Street is narrower than a typical residential street at 29' wide (back of curb to back of curb). Sidewalk is located on the south side of Keyes Street from Willow Lane to Naymut Street. Sidewalk is located on the north side of Keyes Street from Riverway to Park Street. Parking is prohibited on the north side of Keyes Street from Riverway to Elm and from Cleveland to Park. Parking is prohibited on the south side of Keyes Street from Naymut to Cleveland and from Park to Willow.

We conducted the speed study on Wednesday, July 18, 2007 from 7:00 am to 6:00 pm. We parked the Finance Department van on the north side of Keyes Street on Park Street and utilized a Police Department radar gun to note the speed. A summary of what we found is as follows:

Total number of vehicles observed on Keyes Street –	690
Percentage of vehicles traveling 15 – 19 mph	2.3%
Percentage of vehicles traveling 20 – 24 mph	28.4%
Percentage of vehicles traveling 25 – 29 mph	47.8%
Percentage of vehicles traveling 30 – 34 mph	18.7%
Percentage of vehicles traveling 35 – 39 mph	2.6%
Percentage of vehicles traveling over 40 mph	0.14%

The top speed we recorded on Keyes Street was 47 mph at approximately 7:30 am. The largest percentage of vehicles fell very close to the posted speed of 25 mph. It is “recommended practice” to establish the speed limit at the 80<sup>th</sup> percentile speed observed or at approximately 30 mph for this particular study. With this “recommended practice” you need to incorporate good engineering judgment. The park location needs to be considered in establishing a speed limit. This speed study supports a 25 mph speed limit in the park and surrounding residential area. Ironically, even though we were only recording speeds on Keyes Street, we did observe speeds in excess of 40 mph on Park Street heading toward the existing stop sign at Keyes Street.

As was noted in previous traffic studies, the Manual on Uniform Traffic Control Devices (MUTCD) notes that “STOP signs should not be used for speed control”. Our speed study does not meet the STOP sign warrants for “high speeds”. There are a number of terrace trees in the Keyes Street corridor, but the crash records do not warrant a STOP sign for “restricted view”.

In reviewing the speed study, as well as accident records and making observations in the field, I recommend that the City keep the current traffic control signage in the Keyes Street corridor and maintain the 25 mph speed limit in this area.

Sincerely,

A handwritten signature in black ink, appearing to read "Tim J. Montour". The signature is fluid and cursive, with a large loop at the end.

Tim J. Montour  
Engineering Supervisor

Enclosures

C: Street file



# ACCIDENT SUMMARY SHEET

**ROUTE:** Keyes St.                      **LOCATION:** at Winnebago Ave.  
**MUNICIPALITY:** Menasha                      **COUNTY:** Winnebago  
**TIME PERIOD COVERED:** -                      **REFERENCE MARKERS / NODES:** -  
**REMARKS:** All Accidents                      **DATE:** 7/12/2007

TIME OF DAY	# ACC	%	DIRECTION	# ACC	%	DIRECTION	# ACC	%
6 AM - 10 AM	1	100.0%	North	0	0.0%	Northeast	0	0.0%
10 AM - 4 PM	0	0.0%	South	0	0.0%	Northwest	0	0.0%
4 PM - 7 PM	0	0.0%	East	0	0.0%	Southeast	0	0.0%
7 PM - 12 AM	0	0.0%	West	2	100.0%	Southwest	0	0.0%
12 AM - 6 AM	0	0.0%	<b>Total</b>	<b>2</b>		Unspecified	0	0.0%
Unspecified	0	0.0%						
<b>Total</b>	<b>1</b>							

WEATHER	# ACC	%	ACCIDENT TYPE	# ACC	%	ACCIDENT TYPE	# ACC	%
Clear	0	0.0%	Rear End	0	0.0%	Pedestrian	0	0.0%
Cloudy	1	100.0%	Overtake	0	0.0%	Bicycle	0	0.0%
Rain	0	0.0%	Right Angle	0	0.0%	Parked Vehicle	1	100.0%
Snow	0	0.0%	Left Turn	0	0.0%	Backing	0	0.0%
Sleet/Hail/Freezing Rain	0	0.0%	Right Turn	0	0.0%	Run Off The Road	0	0.0%
Fog/Smog/Smoke	0	0.0%	Fixed Object	0	0.0%	Animal	0	0.0%
Unspecified	0	0.0%	Head On	0	0.0%	Other	0	0.0%
			Sideswipe	0	0.0%	Unspecified	0	0.0%
<b>Total</b>	<b>1</b>		<b>Total</b>	<b>1</b>				

SURFACE	# ACC	%
Dry	1	100.0%
Wet	0	0.0%
Mud/Slush	0	0.0%
Snow/Ice	0	0.0%
Unspecified	0	0.0%
<b>Total</b>	<b>1</b>	

ACCIDENT SEVERITY	# ACC	%
Fatal	0	0.0%
Injury	0	0.0%
Property Damage	1	100.0%
Non-Reportable	0	0.0%
<b>Total</b>	<b>1</b>	

TIME OF YEAR	# ACC	%
Winter (Dec-Feb)	0	0.0%
Spring (Mar-May)	0	0.0%
Summer (Jun-Aug)	0	0.0%
Fall (Sep-Nov)	1	100.0%
<b>Total</b>	<b>1</b>	

TYPE OF VEHICLE	# ACC	%
Passenger Cars	2	100.0%
Commercial Vehicles	0	0.0%
<b>Total</b>	<b>2</b>	

DAY OF WEEK	# ACC	%
Sunday	0	0.0%
Monday	0	0.0%
Tuesday	1	100.0%
Wednesday	0	0.0%
Thursday	0	0.0%
Friday	0	0.0%
Saturday	0	0.0%
<b>Total</b>	<b>1</b>	

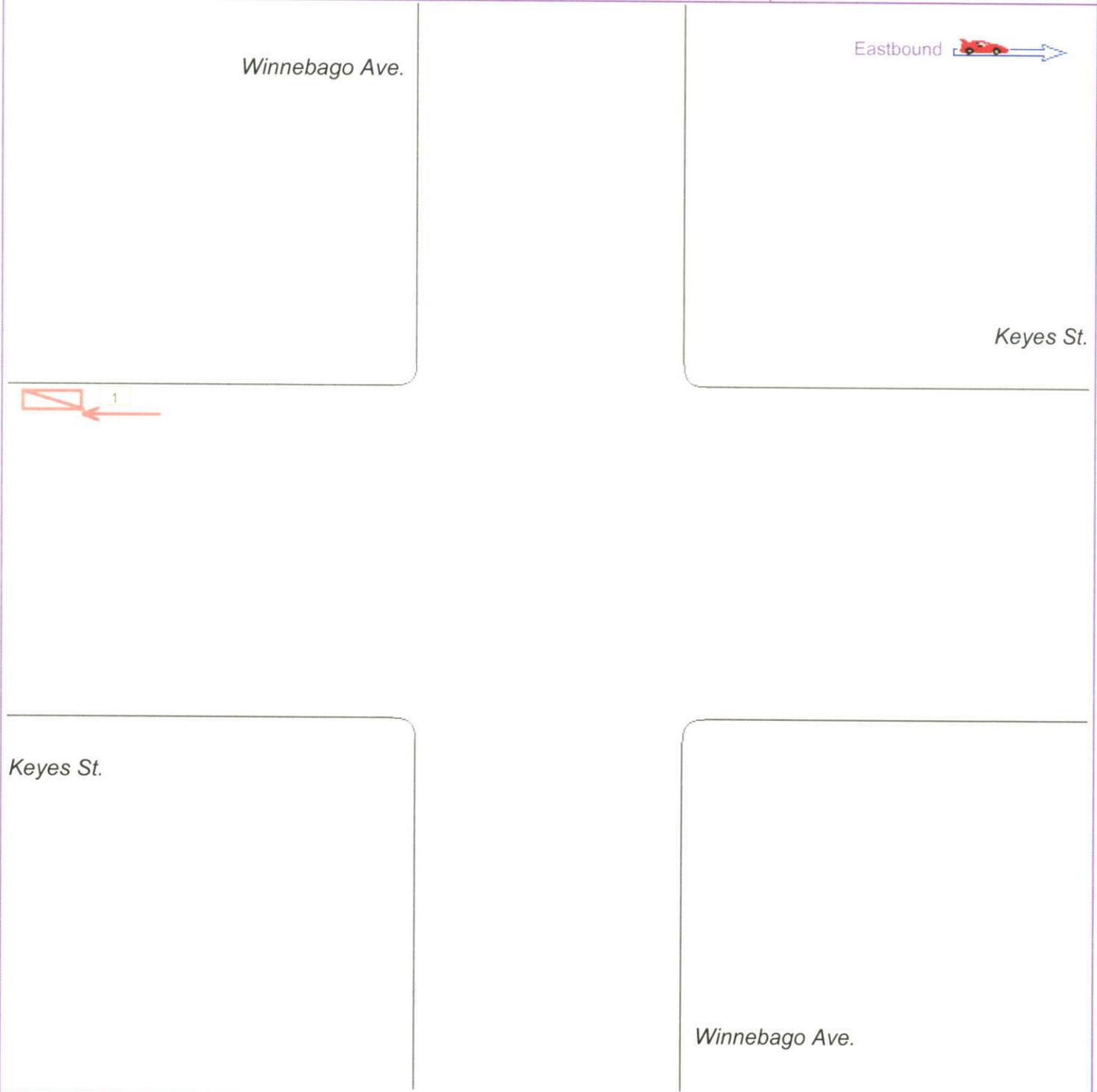
LIGHT CONDITION	# ACC	%
Daylight	1	100.0%
Dawn/Dusk	0	0.0%
Night	0	0.0%
Unspecified	0	0.0%
<b>Total</b>	<b>1</b>	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:	
	<b>0</b>
Fatal Accidents	0
Injury Accidents	0
Property Damage Accidents	0
Non-Reportable Accidents	0
<b>Total Accidents</b>	<b>0</b>

# COLLISION DIAGRAM

Key Number =

MUNICIPALITY: <u>Menasha</u>	COUNTY: <u>Winnebago</u>	FILE: <u>keyes_winnebago</u>
INTERSECTION: <u>Keyes St.</u>		CASE #: _____
PERIOD: <u>0</u> YEARS <u>0</u> MONTHS	FROM _____ TO _____	BY: <u>cr</u> DATE: <u>7/12/2007</u>



SYMBOLS		MANNER OF COLLISION	
	MOVING VEHICLE		REAR END
	TURNING VEHICLE		LEFT TURN
	BACKING VEHICLE		RIGHT TURN
	PARKED VEHICLE		RIGHT TURN
	FIXED OBJECT		RIGHT ANGLE
	RECORD NUMBER		SIDE SWIPE
	Fatal		OUT OF CONTROL
	PEDESTRIAN		HEAD ON
	BICYCLIST		RIGHT TURN
	ANIMAL		RIGHT TURN
	FIXED OBJECT		RIGHT ANGLE

## DETAILS OF ACCIDENT HISTORY

PERIOD STUDIED: FROM: _____ TO: _____ 0 MONTHS		ROUTE NUMBER/STREET NAME: <i>Keyes St.</i> LOCATION <i>at Cleveland St.</i> MUNICIPALITY: <i>Menasha</i> COUNTY: <i>Winnebago</i> REFERENCE MARKERS / NODES: _____				CASE No.: _____ FILE: <i>keyes_cleveland</i> BY: <i>cr</i> DATE: <i>7/12/2007</i>						
No.	DATE	TIME	# VEHICLES	S E V E R I T Y	L I G H T C O N D	R O A D C H A R	S U R F A C E	W E A T H E R	CONTRIB. FACTORS	ACC. TYPE	ACCIDENT DESCRIPTION	KEY #
3	1/30/2004	20:29	1	PDO	5	1	4	1	19 66	FixO	unit 1 spun out on icy road, went into brick pillar	
1	3/19/1998	14:56		INJ			1	2		RAN		
2	6/13/2003	12:15	2	PDO	1	1	1	1	7	Side	unit 2 pulled out from parked position into path of unit 1	



# COLLISION DIAGRAM

Key Number =

MUNICIPALITY: *Menasha*

COUNTY: *Winnebago*

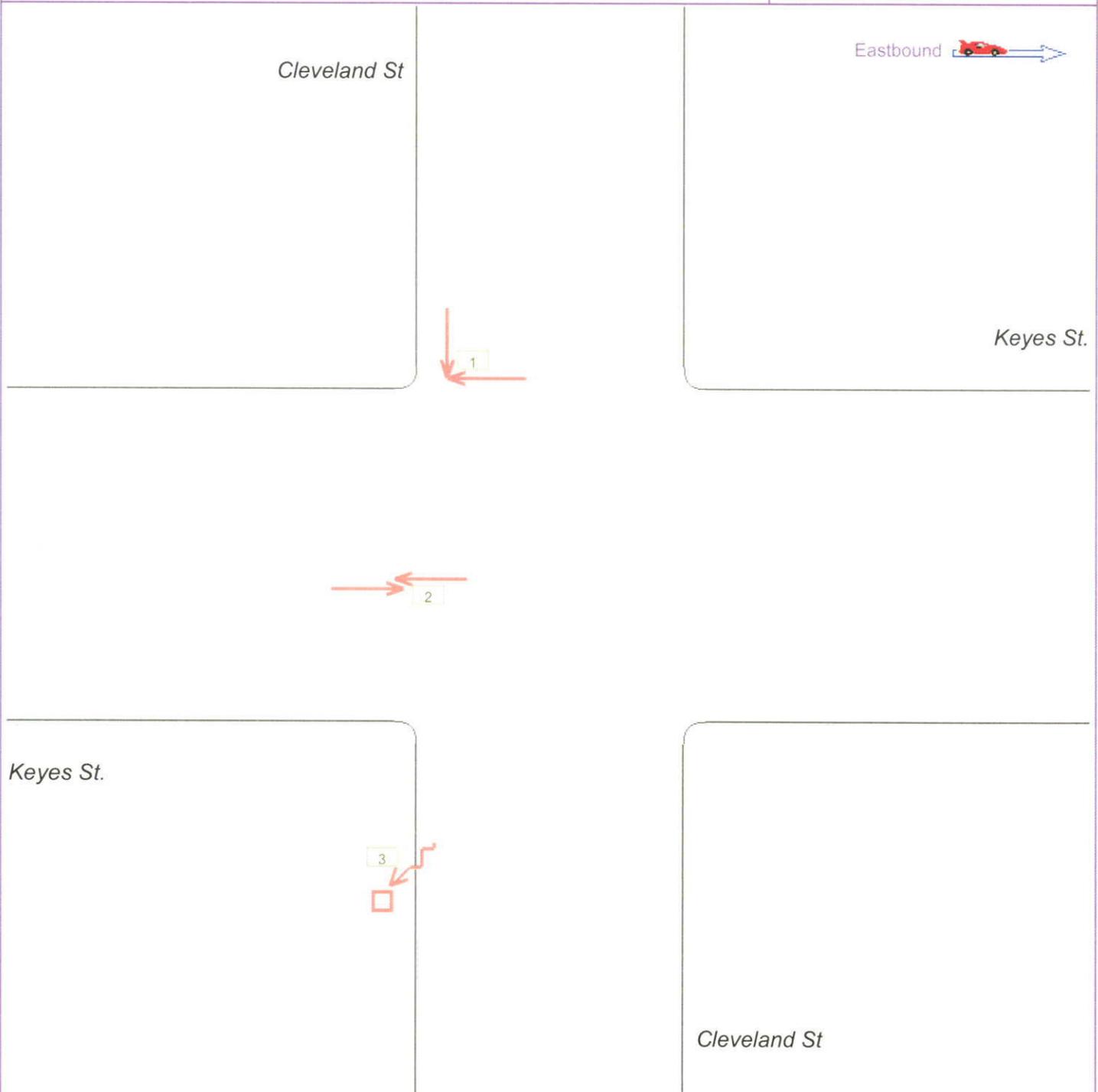
FILE: *keyes\_cleveland*

INTERSECTION: *Keyes St.*

CASE # :

PERIOD: *0* YEARS *0* MONTHS FROM TO

BY: *cr* DATE: *7/12/2007*



SYMBOLS		MANNER OF COLLISION	
	MOVING VEHICLE		PEDESTRIAN
	TURNING VEHICLE		BICYCLIST
	BACKING VEHICLE		ANIMAL
	PARKED VEHICLE		FIXED OBJECT
	RECORD NUMBER		Fatal
			REAR END
			LEFT TURN
			RIGHT TURN
			OVERTAKE
			OUT OF CONTROL
			HEAD ON
			RIGHT TURN
			RIGHT ANGLE
			SIDE SWIPE

# DETAILS OF ACCIDENT HISTORY

PERIOD STUDIED: FROM: _____ TO: 0 MONTHS		ROUTE NUMBER/STREET NAME: <u>Keyes St.</u> LOCATION: <u>500 block</u> MUNICIPALITY: <u>Menasha</u> COUNTY: <u>Winnebago</u> REFERENCE MARKERS / NODES: _____			CASE No.: _____ FILE: <u>keyes_500block</u> BY: <u>cr</u> DATE: <u>7/12/2007</u>							
No.	DATE	TIME	# VEHICLES	S E V E R I T Y	L I G H T C O N D	R O A D C H A R	S U R F A C E	W E A T H E R	CONTRIB. FACTORS	ACC. TYPE	ACCIDENT DESCRIPTION	KEY #
3	6/18/2006	18:35	1	N/R			2			FixO	veh. 1 struck a tree knocking it down, H&R	
1	1/11/1994	7:45		PDO			5	2		OTH		
2	1/20/2000	15:09		INJ			4	1		RAN		



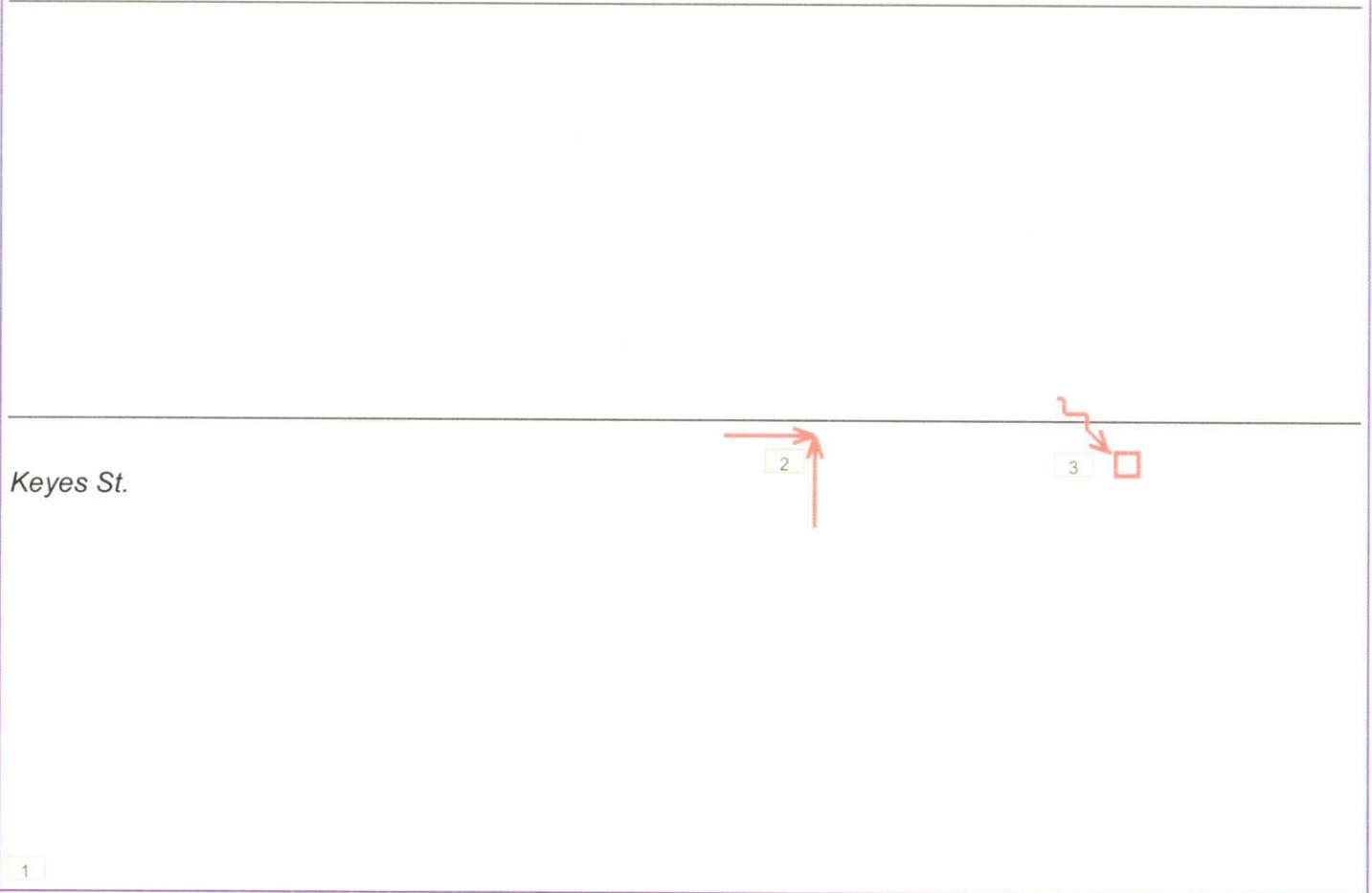
# COLLISION DIAGRAM

Key Number =

MUNICIPALITY: <u>Menasha</u>	COUNTY: <u>Winnebago</u>	FILE: <u>keyes_500block</u>
INTERSECTION: <u>Keyes St.</u>		CASE # : _____
PERIOD: <u>0</u> YEARS <u>0</u> MONTHS	FROM _____	TO _____
		BY: <u>cr</u> DATE: <u>7/12/2007</u>

Eastbound

Keyes St.



SYMBOLS		MANNER OF COLLISION	
MOVING VEHICLE	<b>P</b> PEDESTRIAN	REAR END	HEAD ON
TURNING VEHICLE	<b>B</b> BICYCLIST	LEFT TURN	RIGHT TURN
BACKING VEHICLE	<b>A</b> ANIMAL	LEFT TURN	RIGHT TURN
PARKED VEHICLE	FIXED OBJECT	OVERTAKE	RIGHT ANGLE
RECORD NUMBER	Fatal	OUT OF CONTROL	SIDE SWIPE

# DETAILS OF ACCIDENT HISTORY

PERIOD STUDIED: FROM: _____ TO: 0 MONTHS		ROUTE NUMBER/STREET NAME: Keyes St. LOCATION at Willow Ln. MUNICIPALITY: Menasha COUNTY: Winnebago REFERENCE MARKERS / NODES: -		CASE No. FILE: keyes_willow BY: cr DATE: 8/1/2007	
		W E A T H E R	R O A D C H A R	L I G H T C O N D	# V E H I C L E S
No.	DATE	TIME			
1	3/13/2007	9:00	1	PDO	1
			4	1	1
			1	1	1
			10	18	FixO
			CONTRIB. FACTORS	ACC. TYPE	ACCIDENT DESCRIPTION
					eb, lost control, hit mailbox, left scene; pos. suicide attempt
					KEY #

# ACCIDENT SUMMARY SHEET

**ROUTE:** Keyes St.                      **LOCATION:** at Willow Ln.  
**MUNICIPALITY:** Menasha                      **COUNTY:** Winnebago  
**TIME PERIOD COVERED:** -                      **REFERENCE MARKERS / NODES:** -  
**REMARKS:** All Accidents                      **DATE:** 7/31/2007

TIME OF DAY	# ACC	%	DIRECTION	# ACC	%	DIRECTION	# ACC	%
6 AM - 10 AM	1	100.0%	North	0	0.0%	Northeast	0	0.0%
10 AM - 4 PM	0	0.0%	South	0	0.0%	Northwest	0	0.0%
4 PM - 7 PM	0	0.0%	East	1	100.0%	Southeast	0	0.0%
7 PM - 12 AM	0	0.0%	West	0	0.0%	Southwest	0	0.0%
12 AM - 6 AM	0	0.0%	<b>Total</b>	<b>1</b>		Unspecified	0	0.0%
Unspecified	0	0.0%						
<b>Total</b>	<b>1</b>							

WEATHER	# ACC	%	ACCIDENT TYPE	# ACC	%	ACCIDENT TYPE	# ACC	%
Clear	1	100.0%	Rear End	0	0.0%	Pedestrian	0	0.0%
Cloudy	0	0.0%	Overtake	0	0.0%	Bicycle	0	0.0%
Rain	0	0.0%	Right Angle	0	0.0%	Parked Vehicle	0	0.0%
Snow	0	0.0%	Left Turn	0	0.0%	Backing	0	0.0%
Sleet/Hail/Freezing Rain	0	0.0%	Right Turn	0	0.0%	Run Off The Road	0	0.0%
Fog/Smog/Smoke	0	0.0%	Fixed Object	1	100.0%	Animal	0	0.0%
Unspecified	0	0.0%	Head On	0	0.0%	Other	0	0.0%
			Sideswipe	0	0.0%	Unspecified	0	0.0%
<b>Total</b>	<b>1</b>		<b>Total</b>	<b>1</b>				

SURFACE	# ACC	%
Dry	1	100.0%
Wet	0	0.0%
Mud/Slush	0	0.0%
Snow/Ice	0	0.0%
Unspecified	0	0.0%
<b>Total</b>	<b>1</b>	

ACCIDENT SEVERITY	# ACC	%
Fatal	0	0.0%
Injury	0	0.0%
Property Damage	1	100.0%
Non-Reportable	0	0.0%
<b>Total</b>	<b>1</b>	

TIME OF YEAR	# ACC	%
Winter (Dec-Feb)	0	0.0%
Spring (Mar-May)	1	100.0%
Summer (Jun-Aug)	0	0.0%
Fall (Sep-Nov)	0	0.0%
<b>Total</b>	<b>1</b>	

TYPE OF VEHICLE	# ACC	%
Passenger Cars	1	100.0%
Commercial Vehicles	0	0.0%
<b>Total</b>	<b>1</b>	

DAY OF WEEK	# ACC	%
Sunday	0	0.0%
Monday	0	0.0%
Tuesday	1	100.0%
Wednesday	0	0.0%
Thursday	0	0.0%
Friday	0	0.0%
Saturday	0	0.0%
<b>Total</b>	<b>1</b>	

LIGHT CONDITION	# ACC	%
Daylight	1	100.0%
Dawn/Dusk	0	0.0%
Night	0	0.0%
Unspecified	0	0.0%
<b>Total</b>	<b>1</b>	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:	
	0
Fatal Accidents	0
Injury Accidents	0
Property Damage Accidents	0
Non-Reportable Accidents	0
<b>Total Accidents</b>	<b>0</b>

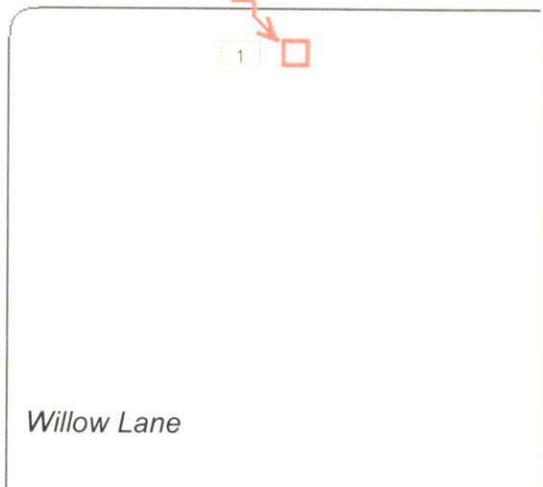
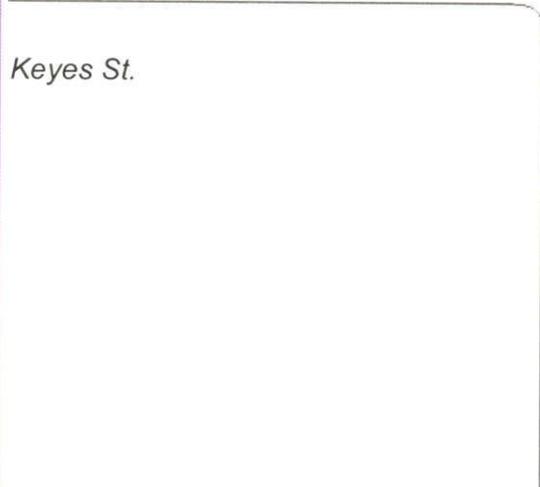
# COLLISION DIAGRAM

Key Number =

MUNICIPALITY: <u>Menasha</u> COUNTY: <u>Winnebago</u> INTERSECTION: <u>Keyes St.</u> PERIOD: <u>0</u> YEARS <u>0</u> MONTHS FROM _____ TO _____	FILE: <u>keyes_willow</u> CASE #: _____ BY: <u>cr</u> DATE: <u>7/31/2007</u>
---	--

Eastbound

*Private Drive*



SYMBOLS		MANNER OF COLLISION	
	MOVING VEHICLE		REAR END
	TURNING VEHICLE		LEFT TURN
	BACKING VEHICLE		LEFT TURN
	PARKED VEHICLE		OVERTAKE
<span style="border: 1px solid black; padding: 2px;">999</span>	RECORD NUMBER		OUT OF CONTROL
<span style="border: 1px solid black; padding: 2px;">P</span>	PEDESTRIAN		HEAD ON
<span style="border: 1px solid black; padding: 2px;">B</span>	BICYCLIST		RIGHT TURN
<span style="border: 1px solid black; padding: 2px;">A</span>	ANIMAL		RIGHT TURN
<span style="border: 1px solid black; padding: 2px;">□</span>	FIXED OBJECT		RIGHT ANGLE
<span style="border: 1px solid black; padding: 2px;">Fatal</span>	Fatal		RIGHT ANGLE
			SIDE SWIPE



City of Menasha • Department of Public Works

### STREET USE APPLICATION

Sponsored by: FOX VALLEY AREA LABOR COUNCIL

Responsible Person: MARK WESTPHAL

Address: P.O. Box 186  
MENASHA, WI 54957

Phone: 920-727-1790

Street Use Date:	<u>9-3-07</u>
Start Time:	<u>9:30 AM</u>
End Time:	<u>11:30 AM</u>
Number of Units:	<u>50-40</u>

Street Route: (Attach Map) \_\_\_\_\_  
Description of Use Please See  
Attached Letter

LIABILITY INSURANCE HAS BEEN SECURED IN THE AMOUNT OF \$ \_\_\_\_\_ WITH THE CITY OF MENASHA NAMED AS ADDITIONAL INSURED.

Insurance Company \_\_\_\_\_ Policy No. \_\_\_\_\_  
(Attached is a copy of the insurance certificate).

**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.

DATE: 7-12-07 APPLICANT'S SIGNATURE: Mark Westphal

-----  
TO BE COMPLETED BY CITY STAFF

SCHEDULED PARK & RECREATION BOARD REVIEW DATE: \_\_\_\_\_

NOT REQUIRED: \_\_\_\_\_ APPROVED: \_\_\_\_\_ DENIED: \_\_\_\_\_

SCHEDULED COMMON COUNCIL REVIEW DATE: 8/6/07

APPROVED: \_\_\_\_\_ DENIED: \_\_\_\_\_

APPROVAL:  
Police Dept. \_\_\_\_\_ Fire Dept. \_\_\_\_\_ Public Works Dept. \_\_\_\_\_ City Attorney \_\_\_\_\_



# Fox Valley Area Labor Council AFL-CIO

P.O. Box 186  
Menasha, Wisconsin 54952-0186  
920-727-1790 Phone  
902-727-1794 Fax



July, 2007

TO: Labor Day Parade Participants

**The Fox Valley Area Labor Council is preparing for its 2007 observance of Labor Day.**

This will be our **25<sup>th</sup> Annual Celebration**. One of the highlights of this event is the **Parade** through the Cities of Neenah and Menasha on Monday, September 3, 2007. Would you be interested in celebrating along with us by taking part in this year's Parade?

The Parade will begin in Menasha at Curtis Reed Square at 10:00 a.m. Please have your entry at the parking lot area of Germania Hall, 320 Chute Street, Menasha Wi., by 9:30 a.m. for line-up instructions.

The Parade will travel west down Main Street in Menasha. It will proceed to Tayco Street in Menasha and then head south, crossing both the Tayco Street and Washington Street Bridges. We will enter Neenah on Commercial Street and continue south. At Main Street in Downtown Neenah the Parade will turn right and head west to the intersection of Church Street and Main Street where the Parade will end.

Please join us in the Parade and help make our Labor Day a successful event. Enclosed is a Parade entry form. Please fill it out and return by August 24<sup>th</sup>, 2007 to:

Fox Valley Area Labor Council, P.O. Box 186, Menasha, WI 54952-0186 or  
Fax back the form to us at 920-727-1794

Sincerely,

Mark Westphal, President



### STREET USE APPLICATION

Sponsored by: St. Mary Central High School  
 Responsible Person: Michelle Jungbauer  
 Address: 1050 Zephyr Drive  
Nunan, WI 54956  
 Phone: 722-7796

Street Use Date: October 5, 2007  
 Start Time: 5:00 pm  
 End Time: 5:45-6:00 pm  
 Number of Units: 25-30

Street Route: (Attach Map) Begin at 528 Second Street (St. Mary's Grade School)  
 Description of Use Follow straight; then turn left onto Milwaukee St.  
Turn left onto Tayco; Follow Tayco, Washington, Commercial St.  
to Main St./E. Wisconsin Ave; Take Right; Turn left at Church St.  
Disband 1 block down.

LIABILITY INSURANCE HAS BEEN SECURED IN THE AMOUNT OF \$ 500,000 WITH  
**THE CITY OF MENASHA NAMED AS ADDITIONAL INSURED.**  
 Insurance Company Catholic Mutual Group Policy No. \_\_\_\_\_  
 (Attached is a copy of the insurance certificate).

**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.

DATE: 6/18/07 APPLICANT'S SIGNATURE: Michelle Jungbauer

-----  
 TO BE COMPLETED BY CITY STAFF

SCHEDULED PARK & RECREATION BOARD REVIEW DATE: \_\_\_\_\_  
 NOT REQUIRED: \_\_\_\_\_ APPROVED: \_\_\_\_\_ DENIED: \_\_\_\_\_

SCHEDULED COMMON COUNCIL REVIEW DATE: 8/6/07  
 APPROVED: \_\_\_\_\_ DENIED: \_\_\_\_\_

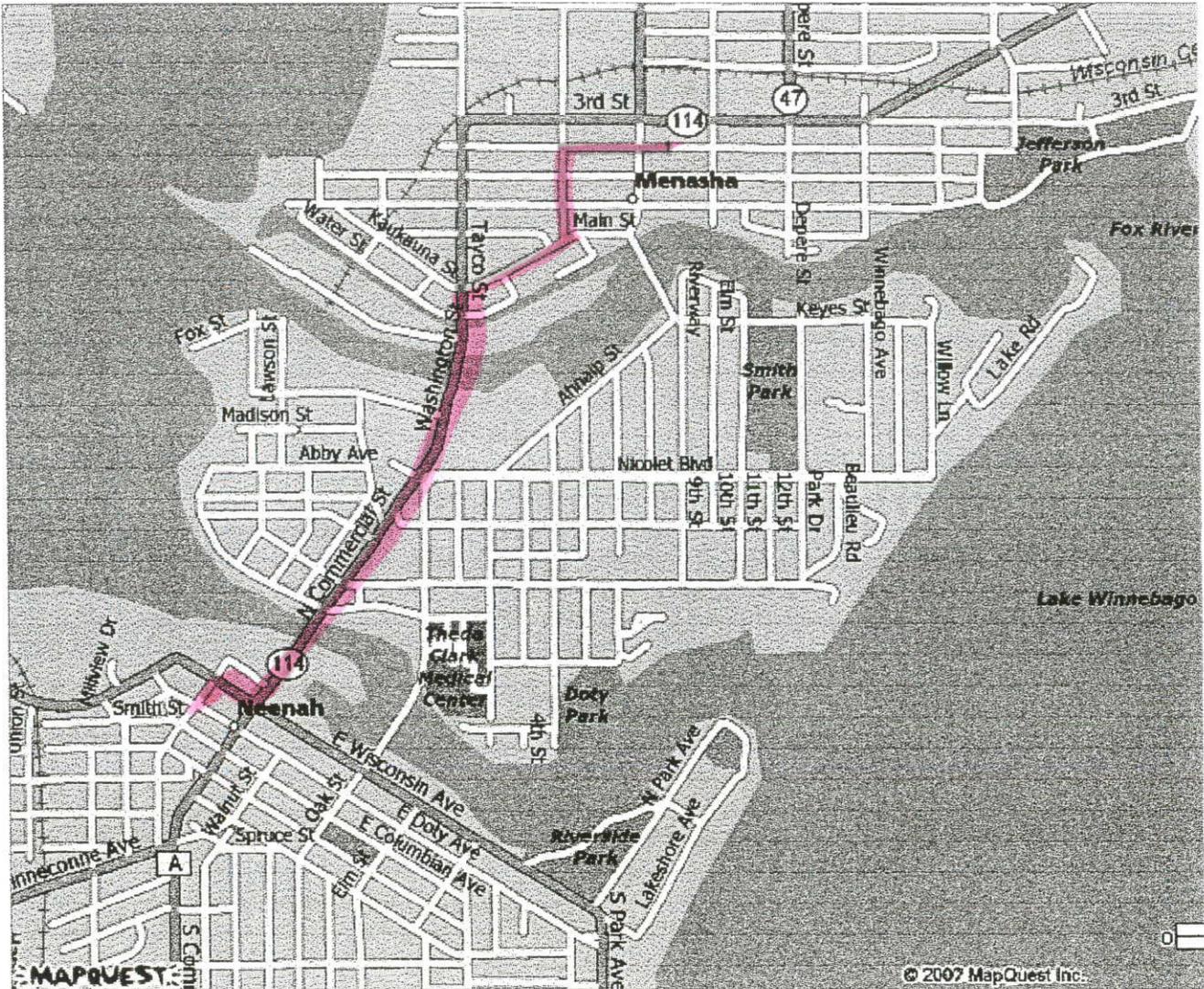
APPROVAL:  
 Police Dept. \_\_\_\_\_ Fire Dept. \_\_\_\_\_ Public Works Dept. \_\_\_\_\_ City Attorney \_\_\_\_\_

Sorry! When printing directly from the browser your map may be incorrectly cropped. To print the entire map, try clicking the "Printer-Friendly" link at the top of your results page.



### ★ Menasha, WI 54952, US

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# CHANGE ORDER

(Vendor)  
McM SYSTEMS, INC.  
MACHINE CONTROL SPECIALISTS  
820B Moasis Drive  
P.O. Box 250  
Little Chute, WI 54140

Contract No. M0002-940266-B  
Project File No. M0002-940266.06  
Change Order No. One (1)  
Issue Date: June 18, 2007  
Project: Menasha Utilities - City Of Menasha, WI  
Equipment Procurement - Control Panels  
Water Treatment Plant Modifications

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

	(Item Description)	(Price)
1.1	Add Components to the Main Control Panel to Accommodate Additional Control for Five (5) New Chlorine Analyzers Requested By The Owner & Modify Other Necessary Control Panel Components, Per CB #29 ..... ADD	+ \$2,054.00
	<b>TOTAL</b>	<b>+ \$2,054.00</b>

**The Changes Result In The Following Adjustments:**

	CONTRACT PRICE	TIME
Prior To This Change Order	\$87,000.00	days
Adjustments Per This Change Order	+ \$2,054.00	days
Current Contract Status	<b>\$89,054.00</b>	days

Recommended:  
**McMAHON ASSOCIATES, INC.**  
Neenah, Wisconsin

Accepted:  
**McM Systems, Inc. /**  
**Machine Control Specialists**  
Little Chute, Wisconsin

Authorized:  
**MENASHA UTILITIES**  
City Of Menasha, Wisconsin

By:   
Date: 6/18/07

By:   
Date: 6-20-07

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**



**MACHINE CONTROL  
SPECIALISTS**

**"We're in Control"**

PO BOX 205  
820B MOASIS DR.  
LITTLE CHUTE, WI 54140  
TEL (920) 788-8052  
FAX (920) 788-8056

June 6, 2007

McMahon Associates

Request for Change Order:

Contract# M0002-960266-B ITEM 1 – CONTROL PANELS

The following changes are requested for the above mentioned contract:

Control Panel MCP:

Add 1) AB, 1794-IF4I, analog input module @ \$723.78 (engineering change)

Add 1) AB, 1794-TB3T, terminal base @ \$144.30 (engineering change)

Add 1) AB, 1794-AENT, Ethernet adapter @ \$531.55 (BOM discrepancy)

Add 1) AB, 1794-TB3, terminal base @ \$144.30 (BOM discrepancy)

Total MCP: \$1543.93

Control Panel RCP012:

Add 2) AB, 1794-OW8, Relay module @ \$255.19ea. (BOM discrepancy)

Total RCP012: \$510.38

Total change order request: \$2054.31

Mike Steiner  
Machine Control Specialists

**CHANGE ORDER**

(Contractor)  
C.D. SMITH CONSTRUCTION, INC.  
889 West Johnson Street  
Fond du Lac, WI 54936

Contract No. M0002-940266.02  
Project File No. M0002-940266.06  
Change Order No. Eight (8)  
Issue Date: June 18, 2007  
Project: Menasha Utilities - City Of Menasha, WI  
Water Treatment Plant Modifications

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

	(Item Description)	(Price)
8.1	Add Two (2) Roof Drains & Storm Piping to Handle Run-Off From Existing Filter Roof, Per RFI #82.....ADD	+ \$5,052.00
8.2	At The Request Of The Owner, Add a 30-inch Tee to the Finished Water Line to the Existing Reservoir, Per CB #28.....ADD	+ \$7,808.00
8.3	Relocate the Three (3) Transformers from the MCC Room #104 to Deck Above to Reduce Safety Hazard & Improve Access in the MCC Room, Per RFI #85.....ADD	+ \$1,984.00
8.4	Add Electrical Work for Five (5) New Chlorine Analyzers Request By The Owner, Per CB #29.....ADD	+ \$14,227.00
8.5	Revise The UV Reactor Cooling Piping, As Requested By Trojan Technologies, Per CB #26.....DEDUCT	- \$1,310.00
8.6	Add Mechanical / Piping for Five (5) New Chlorine Analyzers & Additional Sampling Points Requested by the Owner, Per CB #27.....ADD	+ \$4,534.00
	<b>TOTAL</b>	<b>+ \$32,295.00</b>

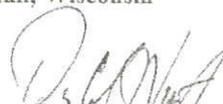
**The Changes Result In The Following Adjustments:**

	CONTRACT PRICE	TIME
Prior To This Change Order	<u>\$10,277,790.00</u>	<u>                    </u> days
Adjustments Per This Change Order	<u>+ \$32,295.00</u>	<u>                    </u> days
Current Contract Status	<u>\$10,310,085.00</u>	<u>                    </u> days

Recommended:  
**McMAHON ASSOCIATES, INC.**  
Neenah, Wisconsin

Accepted:  
**C.D. SMITH CONST., INC.**  
Fond du Lac, Wisconsin

Authorized:  
**MENASHA UTILITIES**  
City Of Menasha, Wisconsin

By:   
Date: 6/18/07

By:   
Date: 6-19-07

By: \_\_\_\_\_  
Date: \_\_\_\_\_

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- CONTRACTOR Copy
- ENGINEER Copy (Contract Copy)
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Four Copies Should Accompany This Change Order  
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# CHANGE ORDER

(Contractor)  
C.D. SMITH CONSTRUCTION, INC.  
889 West Johnson Street  
Fond du Lac, WI 54936

Contract No. M0002-940266.02  
Project File No. M0002-940266.06  
Change Order No. Nine (9)  
Issue Date: July 13, 2007  
Project: Menasha Utilities - City Of Menasha, WI  
Water Treatment Plant Modifications

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

	(Item Description)	(Price)
9.1	At The Request Of The Owner, Change The Access Drive By Soda Ash Room From Asphalt To 7-Inch Reinforced Concrete .....ADD	+ \$1,993.00
9.2	At The Request Of The Owner, Change 10-Inch Ductile Iron Water Main Pipe To C900 PVC, Replace Four (4) House Services From Lead To Copper, & Connect An (Previously Unknown) Existing 10-Inch Bypass Line To The New 10-Inch Water Main At The Intersection Of Broad & Milwaukee .....ADD	+ \$7,649.00
9.3	Per RFI 84 Add Controls For Second Damper In GAC Contactor Room .....ADD	+ \$1,286.00
9.4	At The Request Of The Owner, Relocate The Two Exterior Security Chambers To new Locations .....ADD	+ \$5,198.00
	<b>TOTAL</b>	<b>+ \$16,126.00</b>

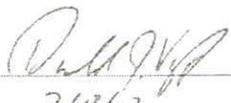
**The Changes Result In The Following Adjustments:**

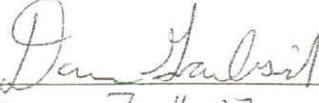
	CONTRACT PRICE	TIME
Prior To This Change Order	<u>\$10,310,085.00</u>	_____ days
Adjustments Per This Change Order	<u>+ \$16,126.00</u>	_____ days
Current Contract Status	<u>\$10,326,211.00</u>	_____ days

Recommended:  
**McMAHON ASSOCIATES, INC.**  
Neenah, Wisconsin

Accepted:  
**C.D. SMITH CONST., INC.**  
Fond du Lac, Wisconsin

Authorized:  
**MENASHA UTILITIES**  
City Of Menasha, Wisconsin

By:   
Date: 7/13/07

By:   
Date: 7-16-07

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**



August 1, 2007

Board of Public Works  
City of Menasha  
Menasha, WI 54952

RE: Recommendation to Award - Contract Unit No. 2007-02  
Concrete Walk Reconstruction

Members of the Board:

Bids for Contract Unit No. 2007-02, Concrete Walk Reconstruction were opened on July 31, 2007. Attached is a copy of the bid tabulation for the three bids received. A fourth bid was received, but not opened because the bidder was not prequalified.

We are recommending that award of contract be made to the lowest bidder, Quality Concrete and Excavating, Inc. of Manawa, WI, in the amount of \$51,887.70.

There is a total of \$64,550 in the 2007 Budget for this project plus mudjacking work. Mudjacking is not part of this contract. We will prepare an RFP for the mudjacking work, which is estimated at \$7,500.

Sincerely,

Mark Radtke  
Public Works Director

MCR/cs  
attachment

**Itemized Bid Tabulation**  
**City of Menasha Contract Unit No. 2007-02**  
**Concrete Sidewalk Reconstruction**

ITEM	QUANTITY	DESCRIPTION	Quality Concrete		Jim Fischer, Inc.		Sommers Construction	
			UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL
		<b>BASE BID</b>						
1	8,257	4" Concrete Walk Reconstruction/SF	\$ 4.50	\$ 37,156.50	\$ 4.75	\$ 39,220.75	\$ 5.00	\$ 41,285.00
2	1,764	6" Concrete Walk Reconstruction/SF	\$ 4.90	\$ 8,643.60	\$ 5.20	\$ 9,172.80	\$ 6.00	\$ 10,584.00
3	553	4" Handicap Ramp Reconstruction/SF	\$ 9.20	\$ 5,087.60	\$ 8.50	\$ 4,700.50	\$ 6.50	\$ 3,594.50
4	1	Construction mobilization/demobilization; erosion control; project coordination; scheduling; work sequencing; traffic control as applicable; and all other restoration as specified and related to the overall project. Per Lump Sum.	\$ 1,000.00	\$ 1,000.00	\$ 2,000.00	\$ 2,000.00	\$ 2,500.00	\$ 2,500.00
		<b>TOTAL BASE BID (ITEMS 1-4)</b>		\$ 51,887.70	\$	\$ 55,094.05	\$	\$ 57,963.50

# Kaempfer & Associates, Inc.

## Consulting Engineers

650 East Jackson St. P.O. Box 150  
Oconto Falls, Wisconsin 54154  
(920) 846-3932 Fax (920) 846-8319

July 31, 2007

E145-05.10

Mr. Mark Radtke, P.E., Director of Public Works  
City of Menasha  
140 Main Street  
Menasha, WI 54952-3190

Re: Wastewater Collection System Rehabilitation Improvements - Phase 3  
Bid Award Recommendation

Dear Mr. Radtke:

On Thursday, July 26, 2007 at 2:00 p.m., bids for the Wastewater Collection System Rehabilitation Improvements Phase 3, Contract E145-07-01A for Sanitary Sewer Lining, Contract E145-07-01B for Sanitary Sewer Rehabilitation, Contract E145-07-01C for Sanitary Sewer Replacement, and Contract E145-07-01D for Sanitary Manhole Lining, were opened and read. A total of fifteen (15) bids were received from thirteen (13) contractors. Four (4) bids were received for Contract E145-07-01A, three (3) bids were received for Contract E145-07-01B, seven (7) bids were received for Contract E145-07-01C and one (1) bid was received for Contract E145-07-01D. Five (5) contractors who received plans and specifications and were prequalified by the City did not submit a bid.

The four (4) bids received for Contract E145-07-01A, Sanitary Sewer Lining, were as follows:

<u>Contractor</u>	<u>Total Bid</u>
Insituform Technologies USA	\$1,582,723.00
Terra Engineering & Construction Corp.	\$1,742,698.10
Visu-Sewer Clean & Seal, Inc.	\$1,986,276.50
Michels Corporation	\$1,997,999.00

The proposal schedule for Contract E145-07-01A contained five (5) optional work items. Optional Bid Item 9A is for sanitary sewer cured in place pipe (CIPP) lining on Melissa Street. Optional Bid Item 10A is for sanitary sewer CIPP lining on Jefferson Street and Brighton Drive. Optional Bid Item 11A is for sanitary sewer CIPP lining on Eighth Street and Harding Street. Optional Bid Item 12A is for pressure inject grouting lateral connections. Optional Bid Item 13A is for pressure inject grout material. The cost for the optional bid item work is included in the base bid. The cost for Optional Bid Items 9A, 10A, 11, 12, and 13A based on the low bidder for Contract E145-07-01A is \$63,039.00. We recommend that Optional Bid Items 9A, 10A, 11A, 12A, and 13A be included in the Sanitary Sewer Lining Contract.

No Contractors offered alternative bid items for Contract E145-07-01A, Sanitary Sewer Lining.

The three (3) bids received for Contract E145-07-01B, Sanitary Sewer Rehabilitation, were as follows:

<u>Contractor</u>	<u>Total Bid</u>
National Power Rodding Corp.	\$173,331.28
Visu-Sewer Clean & Seal, Inc.	\$201,395.00
Infrastructure Technologies, Inc.	\$258,268.35

The proposal schedule for Contract E145-07-01B contained four (4) optional work items. Optional Bid Item 24B is for CIPP spot lining on easement west of Racine Street and on easement west of Milwaukee Street. Optional Bid Item 25B is for CIPP spot lining on Melissa Street. Optional Bid Item 26B is for CIPP spot lining on Jefferson Street and Brighton Drive. Optional Bid Items 27B is for CIPP spot lining on Eighth Street and Harding Street. The cost for the optional bid item work is included in the base bid. The cost for Optional Bid Items 24B, 25B, 26B, and 27B, based on the low bidder for Contract E145-07-01B is \$32,791.55. We recommend that Optional Bid Item 24B be included in the Sanitary Sewer Rehabilitation Contract. We recommend that Optional Bid Items 25B, 26B, and 27B not be included in the Sanitary Sewer Rehabilitation Contract. Deleting Optional Bid Items 25B, 26B, and 27B will decrease the contract amount of the low bidder for Contract E145-07-01B by \$22,871.55.

Visu-Sewer Clean & Seal, Inc. offered a proposed alternative for Contract E145-07-01B, Sanitary Sewer Rehabilitation, for using Duke's root control method. We recommend that the proposed alternative not be considered because there was inadequate information and no costs were presented.

The seven (7) bids received for Contract E145-07-01C, Sanitary Sewer Replacement, were as follows:

<u>Contractor</u>	<u>Total Bid</u>
De Groot, Inc.	\$212,233.57
Ronet Construction Corp.	\$256,691.85
Don E. Parker Excavating, Inc.	\$261,825.85
Dorner, Inc.	\$286,175.50
Kruczek Construction, Inc.	\$319,319.19
Advance Construction, Inc.	\$336,460.65
PTS Contractors, Inc.	\$337,303.00

No Contractors offered alternative bid items for Contract E145-07-01C, Sanitary Sewer Replacement.

The one (1) bid received for Contract E145-07-01D, Sanitary Manhole Lining, was as follows:

<u>Contractor</u>	<u>Total Bid</u>
Infrastructure Technologies, Inc.	312,966.00

Infrastructure Technologies, Inc. offered two alternative bid items for the Contractor E145-07-01D, Manhole Lining. The first alternative bid item was for providing concrete lining of only the brick riser in place of a total manhole lining in Manhole 614 on Emily Street. The existing pavement, casting, adjustment rings, and flattop concrete section would remain in place. A copy of the alternative bid is attached. The alternate bid item would decrease Infrastructure Technologies, Inc. bid by \$475.00 for a total bid for Contract E145-07-01D of \$312,491.00. We recommend that the proposed alternative bid be

July 31, 2007

Mr. Mark Radtke, P.E., Director of Public Works

Page 3

considered for the Sanitary Manhole Lining Contract. The second alternative bid was for providing a bypass traffic control plan for lining of Manhole 395 at the intersection of Third Street and Racine Street if lining is required prior to State Trunk Highway (STH) '114' reconstruction in 2010. The alternative bid item would increase Infrastructure Technologies, Inc. bid by \$950.00. We recommend that the proposed alternative bid item not be considered.

A copy of the bid tabulation, which includes details of the unit price work items, is attached. The bid tabulation reflects the amounts after all corrections have been made. Two addenda were issued during the bidding process. All Contractors acknowledged receipt of Addendum No. 1 and Addendum No. 2. All bidders whose proposals were received were prequalified by the City of Menasha.

The Engineer's estimate for the project, based on the final design, was:

<u>Contract</u>	<u>Cost with Lining Optional Work Items</u>	<u>Cost with Spot Lining Optional Work Items</u>
Contract E145-07-01A, Sanitary Sewer Lining	\$1,867,014.00	\$1,794,698.00
Contract E145-07-01B, Sanitary Sewer Rehabilitation	\$ 200,969.00	\$ 248,069.00
Contract E145-07-01C, Sanitary Sewer Replacement	\$ 232,190.50	\$ 232,190.50
Contract E145-07-01D, Sanitary Manhole Lining	<u>\$ 498,200.00</u>	<u>\$ 498,200.00</u>
TOTAL	<u>\$2,798,373.50</u>	<u>\$2,773,157.50</u>

The sum of the low bids was nineteen percent (19%) lower than the Engineer's estimate. We are of the opinion that bidding on the project was very competitive due to the closeness of the bids and the number of bidders.

All proposals were signed and notarized and were submitted with a bid bond for five percent (5%) of the bid amount. The following irregularities were found when the bids were reviewed:

1. Terra Engineering & Construction Corp. listed multiple names for manufacturers and suppliers. Terra Engineering & Construction Corp. failed to correctly complete the Environmental Improvement Fund (EIF) MBE/WBE Contacts worksheets.
2. National Power Rodding Corp. provided a total sum for Contract E145-07-01B written in words of "One Hundred Seventy Three Thousand, Three Hundred Thirty Three Dollars and Twenty Eight cents" and a total sum written in figures of \$173,331.28. The correct total sum for Contract E145-07-01B is \$173,331.28. National Power Rodding Corp. did not provide the name of the manufacturer and supplier for the CIPP spot liner. National Power Rodding Corp. failed to correctly complete the Environmental Improvement Fund (EIF) MBE/WBE Contacts worksheets.
3. Don E. Parker Excavating, Inc. failed to correctly complete the Environmental Improvement Fund (EIF) MBE/WBE Contacts worksheets.
4. Kruczek Construction, Inc.. failed to correctly complete the Environmental Improvement Fund (EIF) MBE/WBE Contacts worksheets.
5. Infrastructure Technologies, Inc. listed the names of three suppliers for concrete.

July 31, 2007

Mr. Mark Radtke, P.E., Director of Public Works

Page 4

We are of the opinion that the irregularities are not significant and should be waived.

We recommend that Contract E145-07-01A be awarded to Insituform Technologies USA of Lemont, Illinois in the amount of \$1,582,723.00. The amount includes Optional Bid Items 9A, 10A, 11A, 12A, and 13A.

We recommend that Contract E145-07-01B be awarded to National Power Rodding Corp. of Chicago, Illinois in the amount of \$150,459.73. The amount includes Optional Bid Item 24B and deleting Optional Bid Items 25B, 26B, and 27B.

Base Bid	\$173,331.28
Deduct Optional Bid Item 25B	(\$4,960.80)
Deduct Optional Bid Item 26B	(\$7,747.96)
Deduct Optional Bid Item 27B	<u>(\$10,162.79)</u>
TOTAL	<u>\$150,459.73</u>

We recommend that Contract E145-07-01C be awarded to De Groot, Inc. of Green Bay, Wisconsin in the amount of \$212,233.57.

We recommend that Contract E145-07-01D be awarded to Infrastructure Technologies, Inc. of Rhinelander, Wisconsin in the amount of \$312,491.00. The contract amount includes the deduct of \$475.00 for the alternative bid item for lining Manhole 614.

The total of the four (4) contracts to be awarded is \$2,257,907.30. Please contact Jeff Wolford or me if you have any questions or need additional information.

Sincerely,

**KAEMPFER & ASSOCIATES, INC.**



Taryn S. Nall, P.E.

TSN:jlb

Enc: Bid Tabulation

Bid Tabulation

Wastewater Collection System Rehabilitation Improvements - Phase 3

Contract No. E145-07-01

City of Menasha

Date: July 26, 2007

Engineer: Kaempfer & Associates, Inc.

Page 1 of 1

Contractor	E145-07-01A Sanitary Sewer Lining	E145-07-01B Sanitary Sewer Rehabilitation	E145-07-01C Sanitary Sewer Replacement	E145-07-01D Sanitary Manhole Lining	Bid Bond
Insituform Technologies USA	1,582,723.00				√
Terra Engineering & Construction Corp.	1,742,698.10				√
Visu-Sewer Clean & Seal, Inc.	1,986,276.50	201,395.00			√
Michels Corporation	1,997,999.00				√
National Power Rodding Corp.		173,331.28			√
Infrastructure Technologies, Inc.		258,268.35		312,966.00	√
De Groot, Inc.			212,233.57		√
Ronet Construction Corp.			256,691.85		√
Don E. Parker Excavating, Inc.			261,825.85		√
Dorner, Inc.			286,175.50		√
Kruczek Construction, Inc.			319,319.19		√
Advance Construction, Inc.			336,460.65		√
PTS Contractors, Inc.			337,303.00		√

WASTEWATER COLLECTION SYSTEM REHABILITATION IMPROVEMENTS PHASE 3  
 Contract E145-07-01A SANITARY SEWER LINING  
 City of Menasha, Winnebago County, Wisconsin  
 July 26, 2007

Item No.	Description	Contractor's											
		Insituform Technologies USA		Terra Engineering & Constr.		Visu-Sewer Clean & Seal, Inc.		Michels Corporation		Engineer's Estimate			
		Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost		
1A	1,006 lineal feet of 21-inch sanitary sewer CIPP lining	\$64.00	\$64,384.00	\$82.75	\$83,246.50	\$81.00	\$81,486.00	\$96.00	\$96,576.00	\$70.00	\$70,420.00		
2A	7,643 lineal feet of 18-inch sanitary sewer CIPP lining	\$44.00	\$336,292.00	\$49.75	\$380,239.25	\$59.50	\$454,758.50	\$73.00	\$557,939.00	\$55.00	\$420,365.00		
3A	2,547 lineal feet of 15-inch sanitary sewer CIPP lining	\$37.00	\$94,239.00	\$53.00	\$134,991.00	\$51.00	\$129,897.00	\$61.00	\$155,367.00	\$43.00	\$109,521.00		
4A	13,417 lineal feet of 12-inch sanitary sewer CIPP lining	\$31.00	\$415,927.00	\$30.75	\$412,572.75	\$35.25	\$472,949.25	\$34.00	\$456,178.00	\$36.00	\$483,012.00		
5A	6,546 lineal feet of 10-inch sanitary sewer CIPP lining	\$27.00	\$176,742.00	\$27.25	\$178,378.50	\$30.00	\$196,380.00	\$29.00	\$189,834.00	\$30.00	\$196,380.00		
6A	14,650 lineal feet of 8-inch sanitary sewer CIPP lining	\$24.00	\$351,600.00	\$27.75	\$406,537.50	\$31.00	\$454,150.00	\$27.00	\$395,550.00	\$28.00	\$410,200.00		
7A	220 each pressure inject grouting lateral connection	\$300.00	\$66,000.00	\$318.60	\$70,092.00	\$535.00	\$117,700.00	\$309.00	\$67,980.00	\$450.00	\$99,000.00		
8A	580 gallons of pressure inject grout material as specified in Article C2.18	\$25.00	\$14,500.00	\$19.50	\$11,310.00	\$7.00	\$4,060.00	\$20.00	\$11,600.00	\$10.00	\$5,800.00		
OPTIONAL WORK ITEMS													
9A	399 lineal feet of 12-inch sanitary sewer CIPP lining on Melissa Street	\$30.00	\$11,970.00	\$30.75	\$12,269.25	\$35.25	\$14,064.75	\$34.00	\$13,566.00	\$36.00	\$14,364.00		
10A	698 lineal feet of 10-inch sanitary sewer CIPP lining on Jefferson Street and Brighton Drive	\$28.00	\$19,544.00	\$27.25	\$19,020.50	\$30.00	\$20,940.00	\$29.00	\$20,242.00	\$30.00	\$20,940.00		
11A	879 lineal feet of 8-inch sanitary sewer CIPP lining on Eighth Street and Harding Street	\$25.00	\$21,975.00	\$27.75	\$24,392.25	\$29.00	\$25,491.00	\$27.00	\$23,733.00	\$28.00	\$24,612.00		
12A	26 each pressure inject grouting lateral connection	\$300.00	\$7,800.00	\$318.60	\$8,283.60	\$535.00	\$13,910.00	\$309.00	\$8,034.00	\$450.00	\$11,700.00		
13A	70 gallons of pressure inject grout material as specified in Article C2.18	\$25.00	\$1,750.00	\$19.50	\$1,365.00	\$7.00	\$490.00	\$20.00	\$1,400.00	\$10.00	\$700.00		
TOTAL, Part A Items 1A through 13A			\$1,582,723.00		\$1,742,698.10		\$1,986,276.50		\$1,997,999.00		\$1,867,014.00		

WASTEWATER COLLECTION SYSTEM REHABILITATION IMPROVEMENTS PHASE 3  
 Contract E145-07-01B SANITARY SEWER REHABILITATION  
 City of Menasha, Winnebago County, Wisconsin  
 July 26, 2007

Item No.	Description	National Power Rodding Corp.						Visu-Sewer Clean & Seal, Inc.			Contractor's Infrastructure Technologies			Engineer's Estimate	
		Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost
1B	41 lineal feet of 12-inch sanitary sewer CIPP spot lining	\$330.72	\$13,559.52	\$545.00	\$22,345.00	\$495.00	\$20,295.00	\$550.00	\$22,550.00	\$550.00	\$22,550.00	\$550.00	\$22,550.00	\$550.00	\$22,550.00
2B	4 lineal feet of 10-inch sanitary sewer CIPP spot lining	\$352.18	\$1,408.72	\$510.00	\$2,040.00	\$525.00	\$2,100.00	\$550.00	\$2,200.00	\$550.00	\$2,200.00	\$550.00	\$2,200.00	\$550.00	\$2,200.00
3B	83 lineal feet of 8-inch sanitary sewer CIPP spot lining	\$274.67	\$22,797.61	\$497.00	\$41,251.00	\$440.00	\$36,520.00	\$450.00	\$37,350.00	\$450.00	\$37,350.00	\$450.00	\$37,350.00	\$450.00	\$37,350.00
4B	10 each pressure inject grouting lateral connection on spot lined segments	\$1,200.00	\$12,000.00	\$1,000.00	\$10,000.00	\$880.00	\$8,800.00	\$450.00	\$4,500.00	\$450.00	\$4,500.00	\$450.00	\$4,500.00	\$450.00	\$4,500.00
5B	50 gallons of pressure inject grout material for lateral connections as specified in Article C2.18	\$8.00	\$400.00	\$5.00	\$250.00	\$17.00	\$850.00	\$10.00	\$500.00	\$10.00	\$500.00	\$10.00	\$500.00	\$10.00	\$500.00
6B	480 each pressure testing joints in 27-inch sanitary sewer	\$53.33	\$25,598.40	\$75.00	\$36,000.00	\$55.00	\$26,400.00	\$65.00	\$31,200.00	\$65.00	\$31,200.00	\$65.00	\$31,200.00	\$65.00	\$31,200.00
7B	240 each pressure inject grouting joints and cracks in 27-inch sanitary sewer	\$20.00	\$4,800.00	\$10.00	\$2,400.00	\$70.50	\$16,920.00	\$100.00	\$24,000.00	\$100.00	\$24,000.00	\$100.00	\$24,000.00	\$100.00	\$24,000.00
8B	124 each pressure testing joints in 21-inch sanitary sewer	\$51.60	\$6,398.40	\$55.00	\$6,820.00	\$88.00	\$10,912.00	\$25.00	\$3,100.00	\$25.00	\$3,100.00	\$25.00	\$3,100.00	\$25.00	\$3,100.00
9B	62 each pressure inject grouting joints and cracks in 21-inch sanitary sewer	\$15.00	\$930.00	\$10.00	\$620.00	\$82.00	\$5,084.00	\$60.00	\$3,720.00	\$60.00	\$3,720.00	\$60.00	\$3,720.00	\$60.00	\$3,720.00
10B	3,000 gallons of pressure inject grout material for joints and cracks as specified in Article C2.18	\$7.00	\$21,000.00	\$5.00	\$15,000.00	\$17.00	\$51,000.00	\$10.00	\$30,000.00	\$10.00	\$30,000.00	\$10.00	\$30,000.00	\$10.00	\$30,000.00
11B	207 lineal feet of root removal in 21-inch sanitary sewer	\$12.50	\$2,587.50	\$12.00	\$2,484.00	\$5.50	\$1,138.50	\$2.00	\$414.00	\$2.00	\$414.00	\$2.00	\$414.00	\$2.00	\$414.00
12B	207 lineal feet of root treatment in 21-inch sanitary sewer	\$25.94	\$5,369.58	\$20.00	\$4,140.00	\$10.55	\$2,183.85	\$5.00	\$1,035.00	\$5.00	\$1,035.00	\$5.00	\$1,035.00	\$5.00	\$1,035.00
13B	3 each wall repair of precast manhole	\$500.00	\$1,500.00	\$200.00	\$600.00	\$380.00	\$1,140.00	\$500.00	\$1,500.00	\$500.00	\$1,500.00	\$500.00	\$1,500.00	\$500.00	\$1,500.00
14B	1 each pressure grout injection of lift holes in precast manhole	\$150.00	\$150.00	\$200.00	\$200.00	\$80.00	\$80.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00
15B	18 each pressure grout injection of precast manhole joint	\$300.00	\$5,400.00	\$200.00	\$3,600.00	\$300.00	\$5,400.00	\$500.00	\$9,000.00	\$500.00	\$9,000.00	\$500.00	\$9,000.00	\$500.00	\$9,000.00
16B	13 each pressure grout injection of sanitary sewer connection in manholes	\$300.00	\$3,900.00	\$200.00	\$2,600.00	\$210.00	\$2,730.00	\$600.00	\$7,800.00	\$600.00	\$7,800.00	\$600.00	\$7,800.00	\$600.00	\$7,800.00
17B	330 gallons of pressure grout injection material as specified in Article C2.19	\$8.00	\$2,640.00	\$5.00	\$1,650.00	\$17.00	\$5,610.00	\$10.00	\$3,300.00	\$10.00	\$3,300.00	\$10.00	\$3,300.00	\$10.00	\$3,300.00
18B	2 each invert construction in sanitary manhole	\$1,200.00	\$2,400.00	\$200.00	\$400.00	\$420.00	\$840.00	\$1,500.00	\$3,000.00	\$1,500.00	\$3,000.00	\$1,500.00	\$3,000.00	\$1,500.00	\$3,000.00
19B	1 each obstruction removal in 48-inch sanitary sewer	\$1,000.00	\$1,000.00	\$600.00	\$600.00	\$1,850.00	\$1,850.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00
20B	1 each obstruction removal in 21-inch sanitary sewer	\$1,000.00	\$1,000.00	\$600.00	\$600.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00
21B	1 each obstruction removal in 18-inch sanitary sewer	\$900.00	\$900.00	\$600.00	\$600.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00
22B	5 each obstruction removal in 12-inch sanitary sewer	\$300.00	\$1,500.00	\$600.00	\$3,000.00	\$1,250.00	\$6,250.00	\$750.00	\$3,750.00	\$750.00	\$3,750.00	\$750.00	\$3,750.00	\$750.00	\$3,750.00
23B	11 each obstruction removal in 8-inch sanitary sewer	\$300.00	\$3,300.00	\$600.00	\$6,600.00	\$800.00	\$8,800.00	\$750.00	\$8,250.00	\$750.00	\$8,250.00	\$750.00	\$8,250.00	\$750.00	\$8,250.00
OPTIONAL WORK ITEMS															
24B	16 lineal feet of 27-inch sanitary sewer CIPP spot lining on easement west of Racine Street and on easement west of Milwaukee Street	\$620.00	\$9,920.00	\$550.00	\$8,800.00	\$695.00	\$11,120.00	\$700.00	\$11,200.00	\$700.00	\$11,200.00	\$700.00	\$11,200.00	\$700.00	\$11,200.00
25B	15 lineal feet of 12-inch sanitary sewer CIPP spot lining on Melissa Street	\$330.72	\$4,960.80	\$425.00	\$6,375.00	\$440.00	\$6,600.00	\$550.00	\$8,250.00	\$550.00	\$8,250.00	\$550.00	\$8,250.00	\$550.00	\$8,250.00
26B	22 lineal feet of 10-inch sanitary sewer CIPP spot lining on Jefferson Street and Brighton Drive	\$352.18	\$7,747.96	\$380.00	\$8,360.00	\$470.00	\$10,340.00	\$500.00	\$11,000.00	\$500.00	\$11,000.00	\$500.00	\$11,000.00	\$500.00	\$11,000.00
27B	37 lineal feet of 8-inch sanitary sewer CIPP spot lining on Eighth Street and Harding Street	\$274.67	\$10,162.79	\$380.00	\$14,060.00	\$365.00	\$13,505.00	\$450.00	\$16,650.00	\$450.00	\$16,650.00	\$450.00	\$16,650.00	\$450.00	\$16,650.00
TOTAL, Items 1B through 27B			\$173,331.28		\$201,395.00		\$258,268.35		\$248,069.00		\$248,069.00		\$248,069.00		\$248,069.00

WASTEWATER COLLECTION SYSTEM REHABILITATION IMPROVEMENTS PHASE 3

Contract E145-07-01C SANITARY SEWER REPLACEMENT

City of Menasha, Winnebago County, Wisconsin

July 26, 2007

Item No.	Description	De Groot, Inc.		Ronet Construction Corp.		Don E. Parker Excavating, Inc.		Dorner, Inc.		Kruczek Construction, Inc.	
		Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost
1C	2 lineal feet of 18-inch PVC sanitary sewer pipeline spot replacement, with granular backfill	\$757.50	\$1,515.00	\$99.30	\$198.60	\$439.17	\$878.34	\$400.00	\$800.00	\$175.00	\$350.00
2C	3 lineal feet of 10-inch PVC sanitary sewer pipeline spot replacement, with granular backfill	\$454.50	\$1,363.50	\$119.00	\$357.00	\$347.52	\$1,042.56	\$300.00	\$900.00	\$150.00	\$450.00
3C	17 lineal feet of 8-inch PVC sanitary sewer pipeline spot replacement, with granular backfill	\$404.00	\$6,868.00	\$67.90	\$1,154.30	\$133.02	\$2,261.34	\$300.00	\$5,100.00	\$100.00	\$1,700.00
4C	2,107 lineal feet of 8-inch PVC sanitary sewer pipeline replacement, with granular backfill	\$56.60	\$119,256.20	\$66.75	\$140,642.25	\$70.47	\$148,480.29	\$90.00	\$189,630.00	\$84.50	\$178,041.50
5C	5 each Type 4S manhole up to 8-foot depth including up to 5 feet of interconnecting sewer and connections to existing sanitary sewers	\$2,322.81	\$11,614.05	\$4,300.00	\$21,500.00	\$5,362.00	\$26,810.00	\$2,600.00	\$13,000.00	\$5,535.00	\$27,675.00
6C	14 vertical feet Type 4S manhole greater than 8-foot depth	\$101.00	\$1,414.00	\$400.00	\$5,600.00	\$229.00	\$3,206.00	\$185.00	\$2,590.00	\$540.00	\$7,560.00
7C	4 each Type 4L manhole, including up to 5 feet of interconnecting sewer and connections to existing sanitary sewers	\$2,323.00	\$9,292.00	\$3,925.00	\$15,700.00	\$5,404.00	\$21,616.00	\$2,600.00	\$10,400.00	\$6,445.00	\$25,780.00
8C	1 each replacement of cone section	\$1,010.00	\$1,010.00	\$2,282.00	\$2,282.00	\$1,923.00	\$1,923.00	\$2,200.00	\$2,200.00	\$1,500.00	\$1,500.00
9C	2 each connection of 8-inch SL to SS pipeline	\$858.50	\$1,717.00	\$635.00	\$1,270.00	\$604.00	\$1,208.00	\$660.00	\$1,320.00	\$950.00	\$1,900.00
10C	27 each connection of 6-inch SL to SS pipeline	\$505.00	\$13,635.00	\$640.00	\$17,280.00	\$325.00	\$8,775.00	\$325.00	\$8,775.00	\$440.00	\$11,880.00
11C	27 each connection of 4-inch SL to SS pipeline	\$505.00	\$13,635.00	\$630.00	\$17,010.00	\$294.10	\$7,940.70	\$290.00	\$7,830.00	\$440.00	\$11,880.00
12C	20 lineal feet of 8-inch SL replacement	\$43.43	\$868.60	\$90.00	\$1,800.00	\$80.02	\$1,600.40	\$65.00	\$1,300.00	\$107.00	\$2,140.00
13C	270 lineal feet of 6-inch SL replacement	\$48.65	\$13,135.50	\$45.00	\$12,150.00	\$57.00	\$15,390.00	\$64.00	\$17,280.00	\$79.00	\$21,330.00
14C	270 lineal feet of 4-inch SL replacement	\$48.12	\$12,992.40	\$45.00	\$12,150.00	\$55.55	\$14,998.50	\$62.00	\$16,740.00	\$79.00	\$21,330.00
15C	2,107 lineal feet of sewer cleaning and televising	\$1.26	\$2,654.82	\$1.10	\$2,317.70	\$2.21	\$4,656.47	\$1.50	\$3,160.50	\$1.00	\$2,107.00
16C	1 each abandon-in-place 36 lineal feet of 21-inch SS	\$505.00	\$505.00	\$2,615.00	\$2,615.00	\$225.00	\$225.00	\$2,200.00	\$2,200.00	\$95.00	\$95.00
17C	1 each provide concrete pipe plug in Manhole 296	\$252.50	\$252.50	\$1,000.00	\$1,000.00	\$250.00	\$250.00	\$300.00	\$300.00	\$500.69	\$500.69
18C	1 each abandon-in-place 185 lineal feet of 8-inch SS	\$505.00	\$505.00	\$1,665.00	\$1,665.00	\$564.25	\$564.25	\$2,650.00	\$2,650.00	\$3,100.00	\$3,100.00
	TOTAL, Part C Items 1C through 18C		\$212,233.57		\$256,691.85		\$261,825.85		\$286,175.50		\$319,319.19

WASTEWATER COLLECTION SYSTEM REHABILITATION IMPROVEMENTS PHASE 3  
 Contract E145-07-01C SANITARY SEWER REPLACEMENT  
 City of Menasha, Winnebago County, Wisconsin  
 July 26, 2007

Item No.	Description	Advance Construction, Inc.		PTS Contractors, Inc.		Engineer's Estimate	
		Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost
1C	2 lineal feet of 18-inch PVC sanitary sewer pipeline spot replacement, with granular backfill	\$1,000.00	\$2,000.00	\$850.00	\$1,700.00	\$100.00	\$200.00
2C	3 lineal feet of 10-inch PVC sanitary sewer pipeline spot replacement, with granular backfill	\$800.00	\$2,400.00	\$510.00	\$1,530.00	\$60.00	\$180.00
3C	17 lineal feet of 8-inch PVC sanitary sewer pipeline spot replacement, with granular backfill	\$600.00	\$10,200.00	\$310.00	\$5,270.00	\$50.00	\$850.00
4C	2,107 lineal feet of 8-inch PVC sanitary sewer pipeline replacement, with granular backfill	\$70.00	\$147,490.00	\$87.00	\$183,309.00	\$50.00	\$105,350.00
5C	5 each Type 4S manhole up to 8-foot depth including up to 5 feet of interconnecting sewer and connections to existing sanitary sewers	\$7,000.00	\$35,000.00	\$5,120.00	\$25,600.00	\$6,500.00	\$32,500.00
6C	14 vertical feet Type 4S manhole greater than 8-foot depth	\$500.00	\$7,000.00	\$260.00	\$3,640.00	\$250.00	\$3,500.00
7C	4 each Type 4L manhole, including up to 5 feet of interconnecting sewer and connections to existing sanitary sewers	\$7,000.00	\$28,000.00	\$5,100.00	\$20,400.00	\$6,500.00	\$26,000.00
8C	1 each replacement of cone section	\$3,500.00	\$3,500.00	\$1,950.00	\$1,950.00	\$3,000.00	\$3,000.00
9C	2 each connection of 8-inch SL to SS pipeline	\$2,000.00	\$4,000.00	\$1,690.00	\$3,380.00	\$600.00	\$1,200.00
10C	27 each connection of 6-inch SL to SS pipeline	\$550.00	\$14,850.00	\$790.00	\$21,330.00	\$500.00	\$13,500.00
11C	27 each connection of 4-inch SL to SS pipeline	\$540.00	\$14,580.00	\$750.00	\$20,250.00	\$500.00	\$13,500.00
12C	20 lineal feet of 8-inch SL replacement	\$250.00	\$5,000.00	\$73.00	\$1,460.00	\$50.00	\$1,000.00
13C	270 lineal feet of 6-inch SL replacement	\$101.00	\$27,270.00	\$71.00	\$19,170.00	\$40.00	\$10,800.00
14C	270 lineal feet of 4-inch SL replacement	\$100.00	\$27,000.00	\$70.00	\$18,900.00	\$35.00	\$9,450.00
15C	2,107 lineal feet of sewer cleaning and televising	\$1.95	\$4,108.65	\$2.00	\$4,214.00	\$1.50	\$3,160.50
16C	1 each abandon-in-place 36 lineal feet of 21-inch SS	\$1,440.00	\$1,440.00	\$1,500.00	\$1,500.00	\$2,000.00	\$2,000.00
17C	1 each provide concrete pipe plug in Manhole 296	\$400.00	\$400.00	\$700.00	\$700.00	\$500.00	\$500.00
18C	1 each abandon-in-place 185 lineal feet of 8-inch SS	\$2,222.00	\$2,222.00	\$3,000.00	\$3,000.00	\$5,500.00	\$5,500.00
	TOTAL, Part C Items 1C through 18C		\$336,460.65		\$337,303.00		\$232,190.50

WASTEWATER COLLECTION SYSTEM REHABILITATION IMPROVEMENTS PHASE 3  
 Contract E145-07-01D SANITARY MANHOLE LINING  
 City of Menasha, Winnebago County, Wisconsin  
 July 26, 2007

Item No.	Description	Contractor's			
		Infrastructure Unit Price	Technologies Total Cost	Engineer's Unit Price	Estimate Total Cost
1D	972 vertical feet of manhole concrete lining	\$226.00	\$219,672.00	\$325.00	\$315,900.00
2D	268 each sanitary sewer pipe connection	\$75.00	\$20,100.00	\$300.00	\$80,400.00
3D	72 each manhole flow channel construction to springline	\$367.00	\$26,424.00	\$600.00	\$43,200.00
4D	39 each manhole flow channel construction to 1-inch above crown of pipe	\$580.00	\$22,620.00	\$800.00	\$31,200.00
5D	31 each internal/external manhole chimney seal	\$280.00	\$8,680.00	\$300.00	\$9,300.00
6D	31 each urethane chimney seal	\$210.00	\$6,510.00	\$200.00	\$6,200.00
7D	31 each butyl and urethane chimney seal	\$260.00	\$8,060.00	\$300.00	\$9,300.00
8D	18 each butyl chimney seal	\$50.00	\$900.00	\$150.00	\$2,700.00
	TOTAL, Part D Items 1D through 8D		\$312,966.00		\$498,200.00

# Kaempfer & Associates, Inc.

## Consulting Engineers

650 East Jackson St. P.O. Box 150  
Oconto Falls, Wisconsin 54154  
(920) 846-3932 Fax (920) 846-8319

July 31, 2007

E145-05.10

Mr. Mark Radtke, P.E., Director of Public Works  
City of Menasha  
140 Main Street  
Menasha, WI 54952-3190

Re: Wastewater Collection System Rehabilitation Improvements - Phase 3  
Bid Award Recommendation

Dear Mr. Radtke:

On Thursday, July 26, 2007 at 2:00 p.m., bids for the Wastewater Collection System Rehabilitation Improvements Phase 3, Contract E145-07-01A for Sanitary Sewer Lining, Contract E145-07-01B for Sanitary Sewer Rehabilitation, Contract E145-07-01C for Sanitary Sewer Replacement, and Contract E145-07-01D for Sanitary Manhole Lining, were opened and read. A total of fifteen (15) bids were received from thirteen (13) contractors. Four (4) bids were received for Contract E145-07-01A, three (3) bids were received for Contract E145-07-01B, seven (7) bids were received for Contract E145-07-01C and one (1) bid was received for Contract E145-07-01D. Five (5) contractors who received plans and specifications and were prequalified by the City did not submit a bid.

The four (4) bids received for Contract E145-07-01A, Sanitary Sewer Lining, were as follows:

<u>Contractor</u>	<u>Total Bid</u>
Insituform Technologies USA	\$1,582,723.00
Terra Engineering & Construction Corp.	\$1,742,698.10
Visu-Sewer Clean & Seal, Inc.	\$1,986,276.50
Michels Corporation	\$1,997,999.00

The proposal schedule for Contract E145-07-01A contained five (5) optional work items. Optional Bid Item 9A is for sanitary sewer cured in place pipe (CIPP) lining on Melissa Street. Optional Bid Item 10A is for sanitary sewer CIPP lining on Jefferson Street and Brighton Drive. Optional Bid Item 11A is for sanitary sewer CIPP lining on Eighth Street and Harding Street. Optional Bid Item 12A is for pressure inject grouting lateral connections. Optional Bid Item 13A is for pressure inject grout material. The cost for the optional bid item work is included in the base bid. The cost for Optional Bid Items 9A, 10A, 11, 12, and 13A based on the low bidder for Contract E145-07-01A is \$63,039.00. We recommend that Optional Bid Items 9A, 10A, 11A, 12A, and 13A be included in the Sanitary Sewer Lining Contract.

No Contractors offered alternative bid items for Contract E145-07-01A, Sanitary Sewer Lining.

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Mr. Mark Radtke, P.E., Director of Public Works

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The three (3) bids received for Contract E145-07-01B, Sanitary Sewer Rehabilitation, were as follows:

<u>Contractor</u>	<u>Total Bid</u>
National Power Rodding Corp.	\$173,331.28
Visu-Sewer Clean & Seal, Inc.	\$201,395.00
Infrastructure Technologies, Inc.	\$258,268.35

The proposal schedule for Contract E145-07-01B contained four (4) optional work items. Optional Bid Item 24B is for CIPP spot lining on easement west of Racine Street and on easement west of Milwaukee Street. Optional Bid Item 25B is for CIPP spot lining on Melissa Street. Optional Bid Item 26B is for CIPP spot lining on Jefferson Street and Brighton Drive. Optional Bid Items 27B is for CIPP spot lining on Eighth Street and Harding Street. The cost for the optional bid item work is included in the base bid. The cost for Optional Bid Items 24B, 25B, 26B, and 27B, based on the low bidder for Contract E145-07-01B is \$32,791.55. We recommend that Optional Bid Item 24B be included in the Sanitary Sewer Rehabilitation Contract. We recommend that Optional Bid Items 25B, 26B, and 27B not be included in the Sanitary Sewer Rehabilitation Contract. Deleting Optional Bid Items 25B, 26B, and 27B will decrease the contract amount of the low bidder for Contract E145-07-01B by \$22,871.55.

Visu-Sewer Clean & Seal, Inc. offered a proposed alternative for Contract E145-07-01B, Sanitary Sewer Rehabilitation, for using Duke's root control method. We recommend that the proposed alternative not be considered because there was inadequate information and no costs were presented.

The seven (7) bids received for Contract E145-07-01C, Sanitary Sewer Replacement, were as follows:

<u>Contractor</u>	<u>Total Bid</u>
De Groot, Inc.	\$212,233.57
Ronet Construction Corp.	\$256,691.85
Don E. Parker Excavating, Inc.	\$261,825.85
Dorner, Inc.	\$286,175.50
Kruczek Construction, Inc.	\$319,319.19
Advance Construction, Inc.	\$336,460.65
PTS Contractors, Inc.	\$337,303.00

No Contractors offered alternative bid items for Contract E145-07-01C, Sanitary Sewer Replacement.

The one (1) bid received for Contract E145-07-01D, Sanitary Manhole Lining, was as follows:

<u>Contractor</u>	<u>Total Bid</u>
Infrastructure Technologies, Inc.	312,966.00

Infrastructure Technologies, Inc. offered two alternative bid items for the Contractor E145-07-01D, Manhole Lining. The first alternative bid item was for providing concrete lining of only the brick riser in place of a total manhole lining in Manhole 614 on Emily Street. The existing pavement, casting, adjustment rings, and flattop concrete section would remain in place. A copy of the alternative bid is attached. The alternate bid item would decrease Infrastructure Technologies, Inc. bid by \$475.00 for a total bid for Contract E145-07-01D of \$312,491.00. We recommend that the proposed alternative bid be

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Mr. Mark Radtke, P.E., Director of Public Works

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considered for the Sanitary Manhole Lining Contract. The second alternative bid was for providing a bypass traffic control plan for lining of Manhole 395 at the intersection of Third Street and Racine Street if lining is required prior to State Trunk Highway (STH) '114' reconstruction in 2010. The alternative bid item would increase Infrastructure Technologies, Inc. bid by \$950.00. We recommend that the proposed alternative bid item not be considered.

A copy of the bid tabulation, which includes details of the unit price work items, is attached. The bid tabulation reflects the amounts after all corrections have been made. Two addenda were issued during the bidding process. All Contractors acknowledged receipt of Addendum No. 1 and Addendum No. 2. All bidders whose proposals were received were prequalified by the City of Menasha.

The Engineer's estimate for the project, based on the final design, was:

<u>Contract</u>	<u>Cost with Lining Optional Work Items</u>	<u>Cost with Spot Lining Optional Work Items</u>
Contract E145-07-01A, Sanitary Sewer Lining	\$1,867,014.00	\$1,794,698.00
Contract E145-07-01B, Sanitary Sewer Rehabilitation	\$ 200,969.00	\$ 248,069.00
Contract E145-07-01C, Sanitary Sewer Replacement	\$ 232,190.50	\$ 232,190.50
Contract E145-07-01D, Sanitary Manhole Lining	<u>\$ 498,200.00</u>	<u>\$ 498,200.00</u>
TOTAL	<u>\$2,798,373.50</u>	<u>\$2,773,157.50</u>

The sum of the low bids was nineteen percent (19%) lower than the Engineer's estimate. We are of the opinion that bidding on the project was very competitive due to the closeness of the bids and the number of bidders.

All proposals were signed and notarized and were submitted with a bid bond for five percent (5%) of the bid amount. The following irregularities were found when the bids were reviewed:

1. Terra Engineering & Construction Corp. listed multiple names for manufacturers and suppliers. Terra Engineering & Construction Corp. failed to correctly complete the Environmental Improvement Fund (EIF) MBE/WBE Contacts worksheets.
2. National Power Rodding Corp. provided a total sum for Contract E145-07-01B written in words of "One Hundred Seventy Three Thousand, Three Hundred Thirty Three Dollars and Twenty Eight cents" and a total sum written in figures of \$173,331.28. The correct total sum for Contract E145-07-01B is \$173,331.28. National Power Rodding Corp. did not provide the name of the manufacturer and supplier for the CIPP spot liner. National Power Rodding Corp. failed to correctly complete the Environmental Improvement Fund (EIF) MBE/WBE Contacts worksheets.
3. Don E. Parker Excavating, Inc. failed to correctly complete the Environmental Improvement Fund (EIF) MBE/WBE Contacts worksheets.
4. Kruczek Construction, Inc.. failed to correctly complete the Environmental Improvement Fund (EIF) MBE/WBE Contacts worksheets.
5. Infrastructure Technologies, Inc. listed the names of three suppliers for concrete.

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Mr. Mark Radtke, P.E., Director of Public Works

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We are of the opinion that the irregularities are not significant and should be waived.

We recommend that Contract E145-07-01A be awarded to Insituform Technologies USA of Lemont, Illinois in the amount of \$1,582,723.00. The amount includes Optional Bid Items 9A, 10A, 11A, 12A, and 13A.

We recommend that Contract E145-07-01B be awarded to National Power Rodding Corp. of Chicago, Illinois in the amount of \$150,459.73. The amount includes Optional Bid Item 24B and deleting Optional Bid Items 25B, 26B, and 27B.

Base Bid	\$173,331.28
Deduct Optional Bid Item 25B	(\$4,960.80)
Deduct Optional Bid Item 26B	(\$7,747.96)
Deduct Optional Bid Item 27B	<u>(\$10,162.79)</u>
TOTAL	<u>\$150,459.73</u>

We recommend that Contract E145-07-01C be awarded to De Groot, Inc. of Green Bay, Wisconsin in the amount of \$212,233.57.

We recommend that Contract E145-07-01D be awarded to Infrastructure Technologies, Inc. of Rhinelander, Wisconsin in the amount of \$312,491.00. The contract amount includes the deduct of \$475.00 for the alternative bid item for lining Manhole 614.

The total of the four (4) contracts to be awarded is \$2,257,907.30. Please contact Jeff Wolford or me if you have any questions or need additional information.

Sincerely,

**KAEMPFER & ASSOCIATES, INC.**



Taryn S. Nall, P.E.

TSN:jljb

Enc: Bid Tabulation

Bid Tabulation

Wastewater Collection System Rehabilitation Improvements - Phase 3

Contract No. E145-07-01

City of Menasha

Date: July 26, 2007

Engineer: Kaempfer & Associates, Inc.

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Contractor	E145-07-01A Sanitary Sewer Lining	E145-07-01B Sanitary Sewer Rehabilitation	E145-07-01C Sanitary Sewer Replacement	E145-07-01D Sanitary Manhole Lining	Bid Bond
Insituform Technologies USA	1,582,723.00				√
Terra Engineering & Construction Corp.	1,742,698.10				√
Visu-Sewer Clean & Seal, Inc.	1,986,276.50	201,395.00			√
Michels Corporation	1,997,999.00				√
National Power Rodding Corp.		173,331.28			√
Infrastructure Technologies, Inc.		258,268.35		312,966.00	√
De Groot, Inc.			212,233.57		√
Ronet Construction Corp.			256,691.85		√
Don E. Parker Excavating, Inc.			261,825.85		√
Dorner, Inc.			286,175.50		√
Kruczek Construction, Inc.			319,319.19		√
Advance Construction, Inc.			336,460.65		√
PTS Contractors, Inc.			337,303.00		√

WASTEWATER COLLECTION SYSTEM REHABILITATION IMPROVEMENTS PHASE 3  
 Contract E145-07-01A SANITARY SEWER LINING  
 City of Menasha, Winnebago County, Wisconsin  
 July 26, 2007

Item No.	Description	Contractor's											
		Insituform Technologies USA		Terra Engineering & Constr.		Visu-Sewer Clean & Seal, Inc.		Michels Corporation		Engineer's Estimate			
		Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost		
1A	1,006 lineal feet of 21-inch sanitary sewer CIPP lining	\$64.00	\$64,384.00	\$82.75	\$83,246.50	\$81.00	\$81,486.00	\$96.00	\$96,576.00	\$70.00	\$70,420.00		
2A	7,643 lineal feet of 18-inch sanitary sewer CIPP lining	\$44.00	\$336,292.00	\$49.75	\$380,239.25	\$59.50	\$454,738.50	\$73.00	\$557,939.00	\$55.00	\$420,365.00		
3A	2,547 lineal feet of 15-inch sanitary sewer CIPP lining	\$37.00	\$94,239.00	\$53.00	\$134,991.00	\$51.00	\$129,897.00	\$61.00	\$155,367.00	\$43.00	\$109,521.00		
4A	13,417 lineal feet of 12-inch sanitary sewer CIPP lining	\$31.00	\$415,927.00	\$30.75	\$412,572.75	\$35.25	\$472,949.25	\$34.00	\$456,178.00	\$36.00	\$483,012.00		
5A	6,546 lineal feet of 10-inch sanitary sewer CIPP lining	\$27.00	\$176,742.00	\$27.25	\$178,378.50	\$30.00	\$196,380.00	\$29.00	\$189,834.00	\$30.00	\$196,380.00		
6A	14,650 lineal feet of 8-inch sanitary sewer CIPP lining	\$24.00	\$351,600.00	\$27.75	\$406,537.50	\$31.00	\$454,150.00	\$27.00	\$395,550.00	\$28.00	\$410,200.00		
7A	220 each pressure inject grouting lateral connection	\$300.00	\$66,000.00	\$318.60	\$70,092.00	\$535.00	\$117,700.00	\$309.00	\$67,980.00	\$450.00	\$99,000.00		
8A	580 gallons of pressure inject grout material as specified in Article C2.18	\$25.00	\$14,500.00	\$19.50	\$11,310.00	\$7.00	\$4,060.00	\$20.00	\$11,600.00	\$10.00	\$5,800.00		
OPTIONAL WORK ITEMS													
9A	399 lineal feet of 12-inch sanitary sewer CIPP lining on Melissa Street	\$30.00	\$11,970.00	\$30.75	\$12,269.25	\$35.25	\$14,064.75	\$34.00	\$13,566.00	\$36.00	\$14,364.00		
10A	698 lineal feet of 10-inch sanitary sewer CIPP lining on Jefferson Street and Brighton Drive	\$28.00	\$19,544.00	\$27.25	\$19,020.50	\$30.00	\$20,940.00	\$29.00	\$20,242.00	\$30.00	\$20,940.00		
11A	879 lineal feet of 8-inch sanitary sewer CIPP lining on Eighth Street and Harding Street	\$25.00	\$21,975.00	\$27.75	\$24,392.25	\$29.00	\$25,491.00	\$27.00	\$23,733.00	\$28.00	\$24,612.00		
12A	26 each pressure inject grouting lateral connection	\$300.00	\$7,800.00	\$318.60	\$8,283.60	\$535.00	\$13,910.00	\$309.00	\$8,034.00	\$450.00	\$11,700.00		
13A	70 gallons of pressure inject grout material as specified in Article C2.18	\$25.00	\$1,750.00	\$19.50	\$1,365.00	\$7.00	\$490.00	\$20.00	\$1,400.00	\$10.00	\$700.00		
TOTAL, Part A Items 1A through 13A			\$1,582,723.00		\$1,742,698.10		\$1,986,276.50		\$1,997,999.00		\$1,867,014.00		

WASTEWATER COLLECTION SYSTEM REHABILITATION IMPROVEMENTS PHASE 3  
 Contract E145-07-01B SANITARY SEWER REHABILITATION  
 City of Menasha, Winnebago County, Wisconsin  
 July 26, 2007

Item No.	Description	National Power Rodding Corp.						Visu-Sewer Clean & Seal, Inc.			Contractor's Infrastructure Technologies			Engineer's Estimate	
		Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost
1B	41 lineal feet of 12-inch sanitary sewer CIPP spot lining	\$330.72	\$13,559.52	\$545.00	\$22,345.00	\$495.00	\$20,295.00	\$550.00	\$22,550.00	\$550.00	\$22,550.00	\$550.00	\$22,550.00	\$550.00	\$22,550.00
2B	4 lineal feet of 10-inch sanitary sewer CIPP spot lining	\$352.18	\$1,408.72	\$510.00	\$2,040.00	\$525.00	\$2,100.00	\$550.00	\$2,200.00	\$550.00	\$2,200.00	\$550.00	\$2,200.00	\$550.00	\$2,200.00
3B	83 lineal feet of 8-inch sanitary sewer CIPP spot lining	\$274.67	\$22,797.61	\$497.00	\$41,251.00	\$440.00	\$36,520.00	\$450.00	\$37,350.00	\$450.00	\$37,350.00	\$450.00	\$37,350.00	\$450.00	\$37,350.00
4B	10 each pressure inject grouting lateral connection on spot lined segments	\$1,200.00	\$12,000.00	\$1,000.00	\$10,000.00	\$880.00	\$8,800.00	\$450.00	\$4,500.00	\$450.00	\$4,500.00	\$450.00	\$4,500.00	\$450.00	\$4,500.00
5B	50 gallons of pressure inject grout material for lateral connections as specified in Article C2.18	\$8.00	\$400.00	\$5.00	\$250.00	\$17.00	\$850.00	\$10.00	\$500.00	\$10.00	\$500.00	\$10.00	\$500.00	\$10.00	\$500.00
6B	480 each pressure testing joints in 27-inch sanitary sewer	\$53.33	\$25,598.40	\$75.00	\$36,000.00	\$55.00	\$26,400.00	\$65.00	\$31,200.00	\$65.00	\$31,200.00	\$65.00	\$31,200.00	\$65.00	\$31,200.00
7B	240 each pressure inject grouting joints and cracks in 27-inch sanitary sewer	\$20.00	\$4,800.00	\$10.00	\$2,400.00	\$70.50	\$16,920.00	\$100.00	\$24,000.00	\$100.00	\$24,000.00	\$100.00	\$24,000.00	\$100.00	\$24,000.00
8B	124 each pressure testing joints in 21-inch sanitary sewer	\$51.60	\$6,398.40	\$55.00	\$6,820.00	\$88.00	\$10,912.00	\$25.00	\$3,100.00	\$25.00	\$3,100.00	\$25.00	\$3,100.00	\$25.00	\$3,100.00
9B	62 each pressure inject grouting joints and cracks in 21-inch sanitary sewer	\$15.00	\$930.00	\$10.00	\$620.00	\$82.00	\$5,084.00	\$60.00	\$3,720.00	\$60.00	\$3,720.00	\$60.00	\$3,720.00	\$60.00	\$3,720.00
10B	3,000 gallons of pressure inject grout material for joints and cracks as specified in Article C2.18	\$7.00	\$21,000.00	\$5.00	\$15,000.00	\$17.00	\$51,000.00	\$10.00	\$30,000.00	\$10.00	\$30,000.00	\$10.00	\$30,000.00	\$10.00	\$30,000.00
11B	207 lineal feet of root removal in 21-inch sanitary sewer	\$12.50	\$2,587.50	\$12.00	\$2,484.00	\$5.50	\$1,138.50	\$2.00	\$414.00	\$2.00	\$414.00	\$2.00	\$414.00	\$2.00	\$414.00
12B	207 lineal feet of root treatment in 21-inch sanitary sewer	\$25.94	\$5,369.58	\$20.00	\$4,140.00	\$10.55	\$2,183.85	\$5.00	\$1,035.00	\$5.00	\$1,035.00	\$5.00	\$1,035.00	\$5.00	\$1,035.00
13B	3 each wall repair of precast manhole	\$500.00	\$1,500.00	\$200.00	\$600.00	\$380.00	\$1,140.00	\$500.00	\$1,500.00	\$500.00	\$1,500.00	\$500.00	\$1,500.00	\$500.00	\$1,500.00
14B	1 each pressure grout injection of lift holes in precast manhole	\$150.00	\$150.00	\$200.00	\$200.00	\$80.00	\$80.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00
15B	18 each pressure grout injection of precast manhole joint	\$300.00	\$5,400.00	\$200.00	\$3,600.00	\$300.00	\$5,400.00	\$500.00	\$9,000.00	\$500.00	\$9,000.00	\$500.00	\$9,000.00	\$500.00	\$9,000.00
16B	13 each pressure grout injection of sanitary sewer connection in manholes	\$300.00	\$3,900.00	\$200.00	\$2,600.00	\$210.00	\$2,730.00	\$600.00	\$7,800.00	\$600.00	\$7,800.00	\$600.00	\$7,800.00	\$600.00	\$7,800.00
17B	330 gallons of pressure grout injection material as specified in Article C2.19	\$8.00	\$2,640.00	\$5.00	\$1,650.00	\$17.00	\$5,610.00	\$10.00	\$3,300.00	\$10.00	\$3,300.00	\$10.00	\$3,300.00	\$10.00	\$3,300.00
18B	2 each invert construction in sanitary manhole	\$1,200.00	\$2,400.00	\$200.00	\$400.00	\$420.00	\$840.00	\$1,500.00	\$3,000.00	\$1,500.00	\$3,000.00	\$1,500.00	\$3,000.00	\$1,500.00	\$3,000.00
19B	1 each obstruction removal in 48-inch sanitary sewer	\$1,000.00	\$1,000.00	\$600.00	\$600.00	\$1,850.00	\$1,850.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00
20B	1 each obstruction removal in 21-inch sanitary sewer	\$1,000.00	\$1,000.00	\$600.00	\$600.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00
21B	1 each obstruction removal in 18-inch sanitary sewer	\$900.00	\$900.00	\$600.00	\$600.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00
22B	5 each obstruction removal in 12-inch sanitary sewer	\$300.00	\$1,500.00	\$600.00	\$3,000.00	\$1,250.00	\$6,250.00	\$750.00	\$3,750.00	\$750.00	\$3,750.00	\$750.00	\$3,750.00	\$750.00	\$3,750.00
23B	11 each obstruction removal in 8-inch sanitary sewer	\$300.00	\$3,300.00	\$600.00	\$6,600.00	\$800.00	\$8,800.00	\$750.00	\$8,250.00	\$750.00	\$8,250.00	\$750.00	\$8,250.00	\$750.00	\$8,250.00
OPTIONAL WORK ITEMS															
24B	16 lineal feet of 27-inch sanitary sewer CIPP spot lining on easement west of Racine Street and on easement west of Milwaukee Street	\$620.00	\$9,920.00	\$550.00	\$8,800.00	\$695.00	\$11,120.00	\$700.00	\$11,200.00	\$700.00	\$11,200.00	\$700.00	\$11,200.00	\$700.00	\$11,200.00
25B	15 lineal feet of 12-inch sanitary sewer CIPP spot lining on Melissa Street	\$330.72	\$4,960.80	\$425.00	\$6,375.00	\$440.00	\$6,600.00	\$550.00	\$8,250.00	\$550.00	\$8,250.00	\$550.00	\$8,250.00	\$550.00	\$8,250.00
26B	22 lineal feet of 10-inch sanitary sewer CIPP spot lining on Jefferson Street and Brighton Drive	\$352.18	\$7,747.96	\$380.00	\$8,360.00	\$470.00	\$10,340.00	\$500.00	\$11,000.00	\$500.00	\$11,000.00	\$500.00	\$11,000.00	\$500.00	\$11,000.00
27B	37 lineal feet of 8-inch sanitary sewer CIPP spot lining on Eighth Street and Harding Street	\$274.67	\$10,162.79	\$380.00	\$14,060.00	\$365.00	\$13,505.00	\$450.00	\$16,650.00	\$450.00	\$16,650.00	\$450.00	\$16,650.00	\$450.00	\$16,650.00
TOTAL, Items 1B through 27B			\$173,331.28		\$201,395.00		\$258,268.35		\$248,069.00		\$248,069.00		\$248,069.00		\$248,069.00

WASTEWATER COLLECTION SYSTEM REHABILITATION IMPROVEMENTS PHASE 3

Contract E145-07-01C SANITARY SEWER REPLACEMENT

City of Menasha, Winnebago County, Wisconsin

July 26, 2007

Item No.	Description	De Groot, Inc.		Ronet Construction Corp.		Don E. Parker Excavating, Inc.		Dorner, Inc.		Kruczek Construction, Inc.	
		Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost
1C	2 lineal feet of 18-inch PVC sanitary sewer pipeline spot replacement, with granular backfill	\$757.50	\$1,515.00	\$99.30	\$198.60	\$439.17	\$878.34	\$400.00	\$800.00	\$175.00	\$350.00
2C	3 lineal feet of 10-inch PVC sanitary sewer pipeline spot replacement, with granular backfill	\$454.50	\$1,363.50	\$119.00	\$357.00	\$347.52	\$1,042.56	\$300.00	\$900.00	\$150.00	\$450.00
3C	17 lineal feet of 8-inch PVC sanitary sewer pipeline spot replacement, with granular backfill	\$404.00	\$6,868.00	\$67.90	\$1,154.30	\$133.02	\$2,261.34	\$300.00	\$5,100.00	\$100.00	\$1,700.00
4C	2,107 lineal feet of 8-inch PVC sanitary sewer pipeline replacement, with granular backfill	\$56.60	\$119,256.20	\$66.75	\$140,642.25	\$70.47	\$148,480.29	\$90.00	\$189,630.00	\$84.50	\$178,041.50
5C	5 each Type 4S manhole up to 8-foot depth including up to 5 feet of interconnecting sewer and connections to existing sanitary sewers	\$2,322.81	\$11,614.05	\$4,300.00	\$21,500.00	\$5,362.00	\$26,810.00	\$2,600.00	\$13,000.00	\$5,535.00	\$27,675.00
6C	14 vertical feet Type 4S manhole greater than 8-foot depth	\$101.00	\$1,414.00	\$400.00	\$5,600.00	\$229.00	\$3,206.00	\$185.00	\$2,590.00	\$540.00	\$7,560.00
7C	4 each Type 4L manhole, including up to 5 feet of interconnecting sewer and connections to existing sanitary sewers	\$2,323.00	\$9,292.00	\$3,925.00	\$15,700.00	\$5,404.00	\$21,616.00	\$2,600.00	\$10,400.00	\$6,445.00	\$25,780.00
8C	1 each replacement of cone section	\$1,010.00	\$1,010.00	\$2,282.00	\$2,282.00	\$1,923.00	\$1,923.00	\$2,200.00	\$2,200.00	\$1,500.00	\$1,500.00
9C	2 each connection of 8-inch SL to SS pipeline	\$858.50	\$1,717.00	\$635.00	\$1,270.00	\$604.00	\$1,208.00	\$660.00	\$1,320.00	\$950.00	\$1,900.00
10C	27 each connection of 6-inch SL to SS pipeline	\$505.00	\$13,635.00	\$640.00	\$17,280.00	\$325.00	\$8,775.00	\$325.00	\$8,775.00	\$440.00	\$11,880.00
11C	27 each connection of 4-inch SL to SS pipeline	\$505.00	\$13,635.00	\$630.00	\$17,010.00	\$294.10	\$7,940.70	\$290.00	\$7,830.00	\$440.00	\$11,880.00
12C	20 lineal feet of 8-inch SL replacement	\$43.43	\$868.60	\$90.00	\$1,800.00	\$80.02	\$1,600.40	\$65.00	\$1,300.00	\$107.00	\$2,140.00
13C	270 lineal feet of 6-inch SL replacement	\$48.65	\$13,135.50	\$45.00	\$12,150.00	\$57.00	\$15,390.00	\$64.00	\$17,280.00	\$79.00	\$21,330.00
14C	270 lineal feet of 4-inch SL replacement	\$48.12	\$12,992.40	\$45.00	\$12,150.00	\$55.55	\$14,998.50	\$62.00	\$16,740.00	\$79.00	\$21,330.00
15C	2,107 lineal feet of sewer cleaning and televising	\$1.26	\$2,654.82	\$1.10	\$2,317.70	\$2.21	\$4,656.47	\$1.50	\$3,160.50	\$1.00	\$2,107.00
16C	1 each abandon-in-place 36 lineal feet of 21-inch SS	\$505.00	\$505.00	\$2,615.00	\$2,615.00	\$225.00	\$225.00	\$2,200.00	\$2,200.00	\$95.00	\$95.00
17C	1 each provide concrete pipe plug in Manhole 296	\$252.50	\$252.50	\$1,000.00	\$1,000.00	\$250.00	\$250.00	\$300.00	\$300.00	\$500.69	\$500.69
18C	1 each abandon-in-place 185 lineal feet of 8-inch SS	\$505.00	\$505.00	\$1,665.00	\$1,665.00	\$564.25	\$564.25	\$2,650.00	\$2,650.00	\$3,100.00	\$3,100.00
	TOTAL, Part C Items 1C through 18C		\$212,233.57		\$256,691.85		\$261,825.85		\$286,175.50		\$319,319.19

WASTEWATER COLLECTION SYSTEM REHABILITATION IMPROVEMENTS PHASE 3  
 Contract E145-07-01C SANITARY SEWER REPLACEMENT  
 City of Menasha, Winnebago County, Wisconsin  
 July 26, 2007

Item No.	Description	Advance Construction, Inc.		PTS Contractors, Inc.		Engineer's Estimate	
		Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost
1C	2 lineal feet of 18-inch PVC sanitary sewer pipeline spot replacement, with granular backfill	\$1,000.00	\$2,000.00	\$850.00	\$1,700.00	\$100.00	\$200.00
2C	3 lineal feet of 10-inch PVC sanitary sewer pipeline spot replacement, with granular backfill	\$800.00	\$2,400.00	\$510.00	\$1,530.00	\$60.00	\$180.00
3C	17 lineal feet of 8-inch PVC sanitary sewer pipeline spot replacement, with granular backfill	\$600.00	\$10,200.00	\$310.00	\$5,270.00	\$50.00	\$850.00
4C	2,107 lineal feet of 8-inch PVC sanitary sewer pipeline replacement, with granular backfill	\$70.00	\$147,490.00	\$87.00	\$183,309.00	\$50.00	\$105,350.00
5C	5 each Type 4S manhole up to 8-foot depth including up to 5 feet of interconnecting sewer and connections to existing sanitary sewers	\$7,000.00	\$35,000.00	\$5,120.00	\$25,600.00	\$6,500.00	\$32,500.00
6C	14 vertical feet Type 4S manhole greater than 8-foot depth	\$500.00	\$7,000.00	\$260.00	\$3,640.00	\$250.00	\$3,500.00
7C	4 each Type 4L manhole, including up to 5 feet of interconnecting sewer and connections to existing sanitary sewers	\$7,000.00	\$28,000.00	\$5,100.00	\$20,400.00	\$6,500.00	\$26,000.00
8C	1 each replacement of cone section	\$3,500.00	\$3,500.00	\$1,950.00	\$1,950.00	\$3,000.00	\$3,000.00
9C	2 each connection of 8-inch SL to SS pipeline	\$2,000.00	\$4,000.00	\$1,690.00	\$3,380.00	\$600.00	\$1,200.00
10C	27 each connection of 6-inch SL to SS pipeline	\$550.00	\$14,850.00	\$790.00	\$21,330.00	\$500.00	\$13,500.00
11C	27 each connection of 4-inch SL to SS pipeline	\$540.00	\$14,580.00	\$750.00	\$20,250.00	\$500.00	\$13,500.00
12C	20 lineal feet of 8-inch SL replacement	\$250.00	\$5,000.00	\$73.00	\$1,460.00	\$50.00	\$1,000.00
13C	270 lineal feet of 6-inch SL replacement	\$101.00	\$27,270.00	\$71.00	\$19,170.00	\$40.00	\$10,800.00
14C	270 lineal feet of 4-inch SL replacement	\$100.00	\$27,000.00	\$70.00	\$18,900.00	\$35.00	\$9,450.00
15C	2,107 lineal feet of sewer cleaning and televising	\$1.95	\$4,108.65	\$2.00	\$4,214.00	\$1.50	\$3,160.50
16C	1 each abandon-in-place 36 lineal feet of 21-inch SS	\$1,440.00	\$1,440.00	\$1,500.00	\$1,500.00	\$2,000.00	\$2,000.00
17C	1 each provide concrete pipe plug in Manhole 296	\$400.00	\$400.00	\$700.00	\$700.00	\$500.00	\$500.00
18C	1 each abandon-in-place 185 lineal feet of 8-inch SS	\$2,222.00	\$2,222.00	\$3,000.00	\$3,000.00	\$5,500.00	\$5,500.00
	TOTAL, Part C Items 1C through 18C		\$336,460.65		\$337,303.00		\$232,190.50

WASTEWATER COLLECTION SYSTEM REHABILITATION IMPROVEMENTS PHASE 3  
 Contract E145-07-01D SANITARY MANHOLE LINING  
 City of Menasha, Winnebago County, Wisconsin  
 July 26, 2007

Item No.	Description	Contractor's			
		Infrastructure Unit Price	Technologies Total Cost	Engineer's Unit Price	Estimate Total Cost
1D	972 vertical feet of manhole concrete lining	\$226.00	\$219,672.00	\$325.00	\$315,900.00
2D	268 each sanitary sewer pipe connection	\$75.00	\$20,100.00	\$300.00	\$80,400.00
3D	72 each manhole flow channel construction to springline	\$367.00	\$26,424.00	\$600.00	\$43,200.00
4D	39 each manhole flow channel construction to 1-inch above crown of pipe	\$580.00	\$22,620.00	\$800.00	\$31,200.00
5D	31 each internal/external manhole chimney seal	\$280.00	\$8,680.00	\$300.00	\$9,300.00
6D	31 each urethane chimney seal	\$210.00	\$6,510.00	\$200.00	\$6,200.00
7D	31 each butyl and urethane chimney seal	\$260.00	\$8,060.00	\$300.00	\$9,300.00
8D	18 each butyl chimney seal	\$50.00	\$900.00	\$150.00	\$2,700.00
	TOTAL, Part D Items 1D through 8D		\$312,966.00		\$498,200.00