

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

CITY OF MENASHA
Board of Public Works Meeting
Third Floor Council Chambers, 140 Main St., Menasha
February 19, 2007

6:40 PM

AGENDA

 [← Back](#)  [Print](#)

I. CALL TO ORDER

A. -

II. ROLL CALL/EXCUSED ABSENCES

A. -

III. MINUTES TO APPROVE-MINUTES & COMMUNICATIONS TO RECEIVE

A. -

[Attachments](#)

IV. DISCUSSION

A. **Request Authorization to Execute Intergovernmental Agreement for Educational Efforts about Recycling, Wisconsin DNR 2008 Recycling Efficiency Incentive Grants**

[Attachments](#)

B. **Request Authorization to Execute Amendment to Waverly Sanitary Sewer Discharge Agreement**

[Attachments](#)

V. ADJOURNMENT

A. -

“Menasha is committed to its diverse population. Our Non-English speaking population or others with disabilities are invited to contact the Menasha City Clerk at 967-5117 24 hours in advance of the meeting for the City to arrange special accommodations.”

CITY OF MENASHA
Board of Public Works Meeting
Third Floor Council Chambers, 140 Main St., Menasha
February 5, 2007

MINUTES DRAFT

[Back](#) [Print](#)

I. CALL TO ORDER

A. -

Item Action:
None

Motions

| Motion Type | Motion Text | Made By | Seconded By | Motion Result |
|-------------|-------------|---------|-------------|---------------|
|-------------|-------------|---------|-------------|---------------|

| | | | | |
|--|---|--|--|--|
| | Meeting called to order by Chairman Taylor at 6:45 p.m. | | | |
|--|---|--|--|--|

II. ROLL CALL/EXCUSED ABSENCES

A. -

Item Action:
None

Motions

| Motion Type | Motion Text | Made By | Seconded By | Motion Result |
|-------------|-------------|---------|-------------|---------------|
|-------------|-------------|---------|-------------|---------------|

| | | | | |
|--|---|--|--|--|
| | Present: Ald. Wisneski, Pack, Hendricks, Eckstein, Michalkiewicz, Chase, Merkes, Taylor | | | |
|--|---|--|--|--|

| | | | | |
|--|--|--|--|--|
| | Also Present: Mayor Laux, CA/HRD Brandt, PC Stanke DPW Radtke, CDD Keil, PHD Nett, PRD Tungate, Comp/Treasurer Stoffel, Clerk Galeazzi, and the Press. | | | |
|--|--|--|--|--|

III. MINUTES TO APPROVE-MINUTES & COMMUNICATIONS TO RECEIVE

Minutes to approve:

A. -

[Attachments](#)
Item Action:
None

Motions

| Motion Type | Motion Text | Made By | Seconded By | Motion Result |
|-------------|-------------|---------|-------------|---------------|
|-------------|-------------|---------|-------------|---------------|

| | | | | |
|---------|-----------------------------|--------------------|---------------|--------|
| Approve | Minutes of January 15, 2007 | Alderman Hendricks | Alderman Pack | Passed |
|---------|-----------------------------|--------------------|---------------|--------|

| | | | | |
|-------------------------------|--|--|--|--|
| Motion carried on voice vote. | | | | |
|-------------------------------|--|--|--|--|

IV. DISCUSSION

A. **Recommendation to Eliminate 4-Way Stop Traffic Control at Deerhaven Drive and Southfield Drive**

[Attachments](#)
Item Action:
None

Motions

| Motion Type | Motion Text | Made By | Seconded By | Motion Result |
|-------------|---|---------|-------------|---------------|
| | DPW Radtke explained there are several options available other than a 4-way stop sign, such as speed humps, curb bump-outs, or mini-roundabouts. He discussed the pros and cons of these options. Speed is a concern of the neighbors. As per the Manual on Uniform Traffic Control Devices, a 4-way stop sign should not be used to address speeding. Engineering staff follows the Manual on Uniform Traffic Control Devices when performing the traffic study. | | | |
| | Chairman Taylor invited people from the gallery to speak. 1) Caroline Brier, 1202 Southfield Drive. Submitted a petition signed by residents of the area supporting the 4-way stop sign. Concerned with volume and speed of traffic. 2) Patty Donaldson, 1217 Southfield Drive. Safety for children a concern. 3) Cal Tesch, 1242 Southfield Drive. Speed is a problem. 4) Bob Voss, 1336 Southfield Drive. Accidents have occurred in the area. Safety is a concern. 5) Ted Kersten, 1201 Southfield Drive. Police should be more visible in the area. | | | |
| | Board directed CA Brandt to draft an ordinance to keep the 4-way stop sign. | | | |

- B. Recommendation to Maintain 4-Way Stop Traffic Control at First Street and Appleton Street; 500 – 600 Blocks of First Street**

[Attachments](#)
Item Action:
None

Motions

| Motion Type | Motion Text | Made By | Seconded By | Motion Result |
|-------------|---|---------|-------------|---------------|
| | Board directed CA Brandt to draft an ordinance to keep the 4-way stop sign. | | | |

- C. Change Order -- Vinton Construction Co.; River Street Relocation Roadway Construction; Contract Unit No. 2006-06; ADD: \$13,117.20 (Change Order No. 2)**

[Attachments](#)
Item Action:
None

Motions

| Motion Type | Motion Text | Made By | Seconded By | Motion Result |
|-------------|-----------------------------|---------|-------------|---------------|
| | No Questions or Discussion. | | | |

- D. Payment -- Dorner, Inc.; Nature's Way; Contract Unit No. 2006-08; \$44,849.35 (Payment No. 3)**

[Attachments](#)
Item Action:
None

Motions

| Motion Type | Motion Text | Made By | Seconded By | Motion Result |
|-------------|-----------------------------|---------|-------------|---------------|
| | No Questions or Discussion. | | | |

- E. Payment – Vinton Construction Co.; River Street Relocation Roadway Construction; Contract Unit No. 2006-06; \$23,019.17 (Payment No. 5)**

[Attachments](#)
Item Action:
None

Motions

| Motion Type | Motion Text | Made By | Seconded By | Motion Result |
|-------------|---|---------|-------------|---------------|
| | DPW Radtke explained there is still some minor work that remains on this project. This project is supported by funds from a Transportation Economic Assistance (TEA) Grant. | | | |

- F. Recommendation to Move Street Light from Pole #1161 to #1160 because of the Trees, Fourth Street (Ald. Taylor)** **Item Action:** None

Motions

| Motion Type | Motion Text | Made By | Seconded By | Motion Result |
|-------------|-----------------------------|---------|-------------|---------------|
| | No Questions or Discussion. | | | |

- G. Recommendation to Move Street Light from Pole #1163 to #1162 because of the Trees, Fourth Street (Ald. Taylor)** **Item Action:** None

Motions

| Motion Type | Motion Text | Made By | Seconded By | Motion Result |
|-------------|-----------------------------|---------|-------------|---------------|
| | No Questions or Discussion. | | | |

- H. Recommendation to Move Street Light from Pole #1179 on the Corner of Fourth and DePere to Pole #1164 (Ald. Taylor)** **Item Action:** None

Motions

| Motion Type | Motion Text | Made By | Seconded By | Motion Result |
|-------------|-----------------------------|---------|-------------|---------------|
| | No Questions or Discussion. | | | |

- I. Recommendation to Move Street Light from Pole #1195, Northeast Corner, Sixth and DePere to Pole #1196 (Ald. Taylor)** **Item Action:** None

Motions

| Motion Type | Motion Text | Made By | Seconded By | Motion Result |
|-------------|-----------------------------|---------|-------------|---------------|
| | No Questions or Discussion. | | | |

- J. Authorization to Participate in County Trunk Highway AP Project (Winnebago County)** [Attachments](#) **Item Action:** None

Motions

| Motion Type | Motion Text | Made By | Seconded By | Motion Result |
|-------------|--|---------|-------------|---------------|
| | DPW Radtke explained the City has budgeted \$125,000 for this project. He recommends the city's participation with the conditions that the costs for altering existing sidewalks and driveways that result from change in grade or alignment of the project are not the sole responsibility of the City of Menasha. These costs are to be included in the overall project cost, and any sanitary sewer related project costs are not the responsibility of the City. The sanitary sewer is controlled by the Town of Menasha Utility District. | | | |
| | Discussion ensued on what type of pedestrian system should be installed on Midway Road. | | | |

V. ADJOURNMENT

- A. -** **Item Action:** Approved

Motions

| Motion Type | Motion Text | Made By | Seconded By | Motion Result |
|-------------|-------------------------------|---------------|-----------------|---------------|
| Move | To Adjourn at 7:52 p.m. | Alderman Pack | Alderman Merkes | Passed |
| | Motion carried on voice vote. | | | |

Respectfully Submitted by Deborah A. Galeazzi City Clerk

**Intergovernmental Agreement for Educational Efforts About Recycling
Wisconsin DNR 2008 Recycling Efficiency Incentive Grants**

This agreement is made by and between the Cities of Menasha, Neenah, Omro and Oshkosh, the Village of Winneconne, and Towns of Algoma, Black Wolf, Clayton, Menasha, Neenah, Nekimi, Omro, Vinland, Winneconne, and Wolf River, each of which is a municipal corporation, and each of which is a Responsible Unit as defined in Section 287.01(9) of the Wisconsin Statutes, (collectively referred to as the "Responsible Units" or "RUs") for purposes of demonstrating efficient educational efforts about recycling and qualifying for the 2008 Recycling Efficiency Incentive Grants from the Wisconsin Department of Natural Resources, pursuant to Section 287.235, Stats, and Wisconsin Administrative Code Section NR 549, during the year 2007.

WHEREAS the RUs believe that, by working together in this cooperative agreement, they can more effectively and efficiently provide for the recycling educational needs of their citizens; and

WHEREAS the RUs desire to collaborate in an effort to educate about recycling; and

WHEREAS the RUs recognize that consumer purchasing decisions dictate the future volume of material that can be recycled; and

WHEREAS the RUs further recognize that educating consumers during the product selection process on locally recyclable materials may help influence purchasing decisions; and

WHEREAS Winnebago County is willing conduct recycling education on behalf of its RUs and has set aside educational budget dollars for such purpose; and

WHEREAS Section 66.0301(2) of the Wisconsin Statutes authorizes cooperation between municipalities and allows municipalities to contract with each other for the receipt or furnishing of services or the joint exercise of any power or duty required or authorized by law; and

WHEREAS each participating RU will maintain a copy of the other above listed RUs cooperative agreements on file, given that not all cooperating RUs will be able to sign a single document;

IT IS THEREFORE AGREED THAT the above listed RUs authorize Winnebago County to use educational dollars to conduct a shopping cart and radio educational campaign, aimed at reminding consumers to give purchasing preference to items packaged in materials that can be recycled locally, with the expectation that this will increase the purchase of locally recyclable containers, resulting in increased tonnage and improved economies of scale of the entire program;

IT IS FURTHER AGREED THAT the effective date of this cooperative agreement is January 1, 2007 and that all educational efforts will take place during 2007 with an end date of this agreement of December 31, 2007.

SIGNATURE

TITLE

MUNICIPALITY

DATE

Agreement for Transportation of Wastewater Between The City of Menasha and the Waverly Sanitary District

This agreement made and entered into this _____ day of _____, 2007, by and between the City of Menasha hereinafter called "Menasha", and the Waverly Sanitary District hereinafter called "Waverly".

Whereas, each of the parties hereto has the responsibility of providing an orderly, efficient, and sanitary means of collecting, transporting, treating, and disposing of wastewater of each of said municipal corporations; and

Whereas, each of the parties hereto have, by resolution of its respective governing body, been authorized to negotiate with the other party a mutually cooperative contract for the joint transportation of wastewater of Waverly through Menasha to the Neenah-Menasha Joint Sewerage Commission Treatment Facilities;

Now, therefore, in consideration of the premises aforementioned and of the conditions and covenants hereinafter set forth,

It is agreed as follows:

1. General Intent. That Waverly shall purchase sanitary sewer reserved capacity from Menasha, being primarily excess capacity in Menasha's existing 27" Fourth Street / Sixth Street interceptor sewer and 15" Plank Road sanitary sewer, for transportation of wastewater from Waverly through Menasha to the point of connection with the Neenah-Menasha Joint Sewerage Commission interceptor, upon the terms and conditions hereinafter set forth.

2. Waverly Purchase of up to 500,000 Gallons per Day Reserved Capacity. That attached hereto as Exhibit A is a Kaempfer & Associates, Inc., consulting engineers, analysis of "Capacity of Existing Plank Road / Fourth Street Interceptor Sewers". Upon the date of signature of this contract, Waverly shall pay to Menasha \$112,738.00, in two annual installments of \$56,369.00 each, and shall at said time be the purchaser of reserved capacity, of up to 500,000 gallons per day for transportation of wastewater through said interceptor sewers.

Once the purchase price of \$112,738.00 has been paid in full, Waverly shall be the owner, now and in the future, of reserved capacity within said 27" and 15" interceptor sewers of up to 500,000 gallons per day of wastewater flowage.

The operation and maintenance expenses and equipment replacement expenses, on an annual basis, to be paid by Waverly to Menasha reference these 27" and 15" sewer mains, shall be as hereinafter set forth.

3. 40 Year Purchase Period. Waverly may exercise the right to purchase any additional reserved capacity, pursuant to Exhibit A attached, at any time from the date of this contract through a period of 40 years hereinafter. It is mutually agreed and understood that this agreement on purchase of additional capacity per Exhibit A for the next 40-year period shall be binding upon each of the municipal parties entering into this agreement.

4. Operation and Maintenance Costs; Annual Reimbursement. Attached hereto as Exhibit B is the Menasha budget estimate of 2005 operation, maintenance, and equipment replacement of Menasha sewers. The parties agree that each year, commencing year 2005, Menasha shall estimate, for budget purposes, its operation and maintenance expense and equipment replacement, for all sanitary sewers within its sewer collection system. Commencing year 2005, and each year thereafter, based upon Menasha's budget and estimate of operation and maintenance and equipment replacement, for its sewer collection system, Waverly shall pay to Menasha its share of the annual budgeted charges of Menasha, as set forth under the methodology and procedure of Exhibit B. All payments from Waverly to Menasha shall be made on a quarterly basis for the calendar quarters ending March 31, June 30, September 30, and December 31. Menasha shall continue, in year 2005 and thereafter, to use a uniform and systematic method of determining operation, maintenance, and equipment replacement as set forth in Exhibit B.

5. Extraordinary Maintenance, Repair, Rehabilitation or Replacement Costs. If Menasha determines any extraordinary maintenance, repair, rehabilitation or replacement of the 27" Fourth Street / Sixth Street and/or 15" Plank Road sewers is required, the costs of said repair or replacement shall be shared based on the Waverly owned capacity percentage of the segment. Segment capacity shall be as listed on Exhibit A. The cost to Waverly for any flow enhancement rehabilitation shall be proportional to Waverly's share of the sewer capacity.

6. Wastewater Metering, Sampling, and Monitoring. Flows from Waverly to Menasha shall be metered for volume at the sewage lift stations and a new metering station on the force main discharging to the Menasha system. The meters shall be read a minimum of three times weekly. Flow metering shall be performed continuously. The readings shall be forwarded to Menasha and to the Neenah-Menasha Joint Sewerage Commission. This reading shall be used to compute treatment costs and any applicable capital costs for Waverly at the Neenah-Menasha Joint Sewerage Commission treatment facility.

Menasha and Waverly shall share 50/50 of the cost to construct a metering station on the force main that discharges to the Menasha collection system. The metering station location and design shall be acceptable to Menasha. The metering station shall continuously monitor and totalize wastewater flow. Waverly shall be billed by Menasha for wastewater flows measured at the metering station greater than the wastewater flows used by Neenah-Menasha Joint Sewerage Commission in computing billings.

Sampling shall be performed at the monitoring station south of the intersection on Plank Road (STH '114') and Melissa Street by a contract laboratory approved by Menasha and Waverly. Sampling shall be performed using a portable sampler paced by a portable flow meter. The sampling shall be used for the purpose of determining the amount of biochemical oxygen demand (BOD₅), and suspended solids in the wastewater discharged to Menasha. The BOD₅ and suspended solids loadings will be compared to the loadings determined at the existing sewage lift station sampling facilities. Sampling shall be performed no less than one week (seven consecutive days) per month for twelve (12) months after the metering station is placed in service. The frequency of sampling may be reduced by Menasha after the twelve (12) month period.

If a high strength user is added to Waverly Lift Station #1 or if any flows from Lift Station #4 are discharged to the City Monitoring Station, sampling frequency may be increased up to continuous sampling. The parties will then meet to determine the required monitoring frequency.

Normal monitoring costs, operational costs, and maintenance costs shall be borne by Waverly. Should monitoring be increased beyond seven consecutive days per month, such monitoring costs shall be shared 50/50 between the parties.

Waverly shall be billed by Menasha for wastewater loadings, computed using the metering station flows and monitoring station sampling results, that are greater than the wastewater loadings used by Neenah-Menasha Joint Sewerage Commission in computing billings.

7. Initial Normal Operation. Initial normal operations will consist of Waverly Lift Station No. 1 (Fire Lane #2) discharging to the Plank Road sewer. Waverly Lift Station #4 (Lake Park Villas) will normally discharge through Waverly's 8" force main to the Town of Menasha Utility District's sewers in Geneva Road per existing agreements. No change from this initial normal operation will be made without notice from Waverly to Menasha and the Neenah-Menasha Sewerage Commission and mutual agreement on metering of flows.

8. Use of Emergency Connections. Waverly and the Town of Menasha Utility District have agreements in place providing for emergency use. No Town of Menasha wastewater shall be discharged as a result of this agreement at any time.

9. Severability. If any portion of this agreement is rendered invalid or unenforceable for any reason, the remaining portions shall continue in full force and effect.

WAVERLY SANITARY DISTRICT

CITY OF MENASHA

Joseph F. Laux, Mayor

Deborah A. Galeazzi, City Clerk

Approved as to form: _____

Approved as to form: _____

EXHIBIT "A"
CAPACITY OF EXISTING PLANK ROAD/ FOURTH STREET INTERCEPTOR SEWER

| LOCATION | SEWER SECTION | | LENGTH (feet) | DIAMETER (inches) | SLOPE (ft./ft.) | ROUGHNESS COEFFICIENT | CAPACITY | | VELOCITY (fps) | DEPTH (ft) | PRESENT DAY COST | | PRESENT VALUE \$(a) | S.D. SHARE |
|--------------------------------|---------------|-------|------------------|----------------------|--------------------|--------------------------|----------|-------|-------------------|---------------|------------------|------------------|------------------------|---------------|
| | FROM MH | TO MH | | | | | (cfs) | (mgd) | | | UNIT PRICE | COST (\$) | | |
| EASEMENT TO 48" INTERCEPTOR | 327 | 426 | 441.20 | 27.00 | 0.0007 | 0.015 | 7.10 | 4.59 | 1.79 | 25.53 | 231.80 | 102,270 | 51,135 | 5,570 |
| | 426 | 423 | 426.30 | 27.00 | 0.0007 | 0.015 | 7.10 | 4.59 | 1.79 | 25.22 | 231.80 | 98,816 | 49,408 | 5,382 |
| | 423 | 422 | 428.00 | 27.00 | 0.0007 | 0.015 | 7.10 | 4.59 | 1.79 | 24.92 | 231.80 | 99,210 | 49,605 | 5,404 |
| | 422 | 420 | 127.40 | 27.00 | 0.0006 | 0.015 | 6.57 | 4.25 | 1.65 | 24.62 | 318.25 | 40,545 | 20,273 | 2,385 |
| RACINE STREET FOURTH STREET | 420 | 418 | 394.50 | 27.00 | 0.0004 | 0.015 | 5.37 | 3.47 | 1.35 | 24.55 | 318.25 | 125,550 | 62,775 | 9,045 |
| | 418 | 414 | 301.50 | 27.00 | 0.0007 | 0.015 | 7.10 | 4.59 | 1.79 | 24.39 | 318.25 | 95,952 | 47,976 | 5,226 |
| | 414 | 412 | 347.30 | 27.00 | 0.0007 | 0.015 | 7.10 | 4.59 | 1.79 | 24.18 | 318.25 | 110,528 | 55,264 | 6,020 |
| | 412 | 409 | 369.00 | 27.00 | 0.0007 | 0.015 | 7.10 | 4.59 | 1.79 | 23.93 | 318.25 | 117,434 | 58,717 | 6,396 |
| SHEBOYGAN STREET | 409 | 404 | 221.90 | 27.00 | 0.0007 | 0.015 | 7.10 | 4.59 | 1.79 | 23.68 | 318.25 | 70,620 | 35,310 | 3,846 |
| | 404 | 529 | 302.00 | 27.00 | 0.0006 | 0.015 | 6.57 | 4.25 | 1.65 | 22.47 | 266.25 | 80,408 | 40,204 | 4,730 |
| | 529 | 527 | 326.00 | 27.00 | 0.0006 | 0.015 | 6.57 | 4.25 | 1.65 | 20.19 | 266.25 | 86,798 | 43,399 | 5,106 |
| | 527 | 524 | 438.00 | 27.00 | 0.0010 | 0.015 | 8.49 | 5.49 | 2.13 | 19.65 | 266.25 | 116,618 | 58,309 | 5,310 |
| FIFTH STREET | 524 | 523 | 387.40 | 27.00 | 0.0006 | 0.015 | 6.57 | 4.25 | 1.65 | 18.44 | 208.63 | 80,821 | 40,411 | 4,754 |
| | 523 | 522 | 196.00 | 27.00 | 0.0006 | 0.015 | 6.57 | 4.25 | 1.65 | 17.47 | 208.63 | 40,891 | 20,445 | 2,405 |
| | 522 | 521 | 307.00 | 27.00 | 0.0008 | 0.015 | 7.59 | 4.91 | 1.91 | 16.79 | 208.63 | 64,048 | 32,024 | 3,261 |
| | 521 | 519 | 311.00 | 27.00 | 0.0007 | 0.015 | 7.10 | 4.59 | 1.79 | 16.15 | 208.63 | 64,882 | 32,441 | 3,534 |
| LONDON STREET SIXTH STREET | 519 | 520 | 32.40 | 27.00 | 0.0003 | 0.015 | 4.65 | 3.00 | 1.17 | 15.69 | 208.63 | 6,759 | 3,380 | 563 |
| | 520 | 517 | 331.00 | 27.00 | 0.0006 | 0.015 | 6.57 | 4.25 | 1.65 | 15.69 | 208.63 | 69,055 | 34,527 | 4,062 |
| | 517 | 517A | 338.00 | 27.00 | 0.0009 | 0.015 | 8.05 | 5.20 | 2.03 | 14.18 | 172.25 | 58,221 | 29,110 | 2,799 |
| | 517A | 516 | 114.00 | 27.00 | 0.0009 | 0.015 | 8.05 | 5.20 | 2.03 | 12.33 | 172.25 | 19,637 | 9,818 | 944 |
| PLANK ROAD | 516 | 514A | 255.00 | 15.00 | 0.0014 | 0.015 | 2.09 | 1.35 | 1.71 | 11.58 | 101.50 | 25,883 | 12,941 | 4,793 |
| | 514A | 514 | 89.00 | 15.00 | 0.0027 | 0.015 | 2.91 | 1.88 | 2.37 | 11.18 | 101.50 | 9,034 | 4,517 | 1,201 |
| | 514 | 515 | 47.00 | 15.00 | 0.0026 | 0.015 | 2.85 | 1.84 | 2.33 | 10.79 | 101.50 | 4,771 | 2,385 | 648 |
| | 515 | 587 | 308.00 | 15.00 | 0.0017 | 0.015 | 2.31 | 1.49 | 1.88 | 10.41 | 101.50 | 31,262 | 15,631 | 5,245 |
| FOURTH STREET | 587 | 588 | 303.00 | 15.00 | 0.0020 | 0.015 | 2.50 | 1.62 | 2.04 | 10.09 | 101.50 | 30,755 | 15,377 | 4,746 |
| | 588 | 589A | 238.00 | 15.00 | 0.0023 | 0.015 | 2.68 | 1.74 | 2.19 | 9.58 | 101.50 | 24,157 | 12,079 | 3,471 |
| | 589A | 589 | 65.00 | 15.00 | 0.0028 | 0.015 | 2.96 | 1.91 | 2.41 | 9.31 | 101.50 | 6,598 | 3,299 | 864 |
| | 589 | 590 | 303.00 | 15.00 | 0.0018 | 0.015 | 2.38 | 1.53 | 1.94 | 9.02 | 101.50 | 30,755 | 15,377 | 5,025 |
| TOTAL | | | | | | | | | | | 856,137 | 1,712,274 | 112,738 | |

(a) Present value is 50% of Present Day Value
(b) Annual Present Worth Factor is 0.0634 for 50-year period at 6% interest
(c) Value calculated by dividing 500,000 gpd (S.D.) by sewer capacity

CALCULATION OF WAVERLY SANITARY DISTRICT SHARE OF FOURTH STREET INTERCEPTOR OPERATION & MAINTENANCE COSTS FOR 2005

Collection System Operation, Maintenance & Capital Cost

| | |
|----------------------------------|-----------|
| 2005 Total Annual Budget | \$650,459 |
| Capital Outlay Portion | \$278,000 |
| Net Collection System O & M Cost | \$372,459 |

Waverly Sanitary District share of annual O & M cost for Fourth Street interceptor sewer is assumed to be **13.17%** --- ($\$112,735 \div \$856,137 \times 100$) based on share of construction cost.

City Collection System

3,316,380 diameter-inch-feet

Fourth Street Interceptor Sewer (15-inch and 27-inch sewer)

189,900 diameter-inch-feet

$$189,900 \div 3,316,380 = 0.0573 = \mathbf{5.73\%}$$

$$\begin{aligned} \text{Waverly Sanitary District share of 2005 O \& M costs} &= 0.1317 \times (0.0573 \times \$372,459) \\ &= 0.1317 \times \$21,342 \\ &= \$2,810 \end{aligned}$$

Waverly Sanitary District share of 2005 O & M costs = \$2,810