



136 North Monroe Street
Waterloo, WI 53594-1198
Phone: (920) 478-3025
Fax: (920) 478-2021
www.waterloowi.us

**Public Notice of a Committee Meeting
Of the Common Council of the City of Waterloo
Amended on May 5, 2015**

Pursuant to Section 19.84 Wisconsin Statutes, notice is hereby given to the public and to the news media, that the following meeting will be held.

Committee: Public Works & Property Committee
Date: Thursday, May 7, 2015
Time: 6:30 p.m.
Location: Council Chambers of the Municipal Building, 136 N. Monroe Street

1. Call to Order and Roll Call
2. Approval of Meeting Minutes
April 2, 2015
3. Public Comment

Note: Under "Public Comment" the public can comment on any topic not on the agenda, but The Wisconsin Open Meetings Law does not allow for any discussion or action to be taken on issues not listed on the agenda. The Public Works Committee is not able to respond to questions or have discussion during this time.

4. Discussion/Decision Items

- o Piggly Wiggly, 810 N. Monroe Street Transfer Private Sanitary Sewer and Water to Public Sanitary Sewer and Water
- o Road Aid from Jefferson County Highway for 2016
- o Engineer's Report for Anna Street Sidewalk Improvements
- o Snow Removal on bike path through Firemen's Park

5. Future Agenda Items and Announcements

- a. Public Works Summer hours have started

6. Adjournment

Chris Astrella
Clerk/Treasurer

Committee Members: Springer, Ziaja and Stinnett

Printed, Posted, E-mailed and Distributed: May 5, 2015

PLEASE NOTE: IT IS POSSIBLE THAT MEMBERS OF AND POSSIBLY A QUORUM OF MEMBERS OF OTHER GOVERNMENTAL BODIES OF THE MUNICIPALITY MAY BE IN ATTENDANCE AT THE ABOVE MEETING(S) TO GATHER INFORMATION. NO ACTION WILL BE TAKEN BY ANY GOVERNMENTAL BODY OTHER THAN THAT SPECIFICALLY NOTICED. ALSO, UPON REASONABLE NOTICE, EFFORTS WILL BE MADE TO ACCOMMODATE THE NEEDS OF DISABLED INDIVIDUALS THROUGH APPROPRIATE AIDS AND SERVICES. FOR ADDITIONAL INFORMATION OR TO REQUEST SUCH SERVICES PLEASE CONTACT THE CLERK'S OFFICE AT THE ABOVE LOCATION.

Public Works and Property Meeting Minutes from April 2, 2015

1. Call to Order and Roll Call: Chair Springer called the meeting to order at 6:30 pm Roll Call: Present: Stinnett and Springer with Ziaja absent. Mayor Thompson, Public Works Director Yerges, Utility Superintendent Weihert, Utility Crew Forman Sorenson and Deputy Clerk/Treasurer Baird were also in attendance.

2. Approval of Meeting Minutes from March 5, 2015: Moved by Stinnett, seconded by Springer to approve the minutes from March 5, 2015. Voice vote: Motion carried.

3. Public Comment: None

4. Discussion/Decision Items:

- o **Piggly Wiggly 810 N. Monroe Street Transfer Private Sanitary Sewer to Public Sanitary Sewer:**

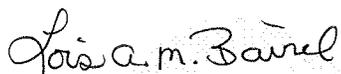
There was extensive discussion regarding the transfer of the private main owned by the Piggly Wiggly and the apartment owner to the Utility as a public main. Weihert explained that it would cost the Utility more if they were to take the main over, it would no longer be private. Sorenson explained when a developer turns the main over to the Utility they have to show it on their books as an asset. Their auditors are telling them that there is no benefit for the Utility to take it over.

The committee requested Weihert to supply cost information, how much will it cost the Utility to make the main public.

5. Future Agenda Items: None

6. Adjournment: Motion by Springer, seconded by Stinnett to adjourn. Voice vote. Motion carried. Time 6:40 pm

Minutes written and submitted by



Lois A.M. Baird
Deputy Clerk/Treasurer

Eugene Weihert

From: Jodi Dobson <Jodi.Dobson@bakertilly.com>
Sent: Wednesday, January 14, 2015 10:52 AM
To: Eugene Weihert
Subject: RE: water main

Gene,

This is a tricky question really dependent upon the specific situation. If the water main becomes public and is turned over to you then you are responsible for the maintenance and upkeep, but you also control this and can minimize leaks or operational issues. If the water is metered after flowing through this main then any water leaking from the main is now part of the general distribution system losses however you have no control to fix the main and reduce water loss if it is private. Of course, if it becomes public but is on private property then you also have to consider easements and questions of access and what responsibility you would have to repair/replace the roads, parking lots, etc. that the main is under.

On the other hand, if it becomes public then it goes into your rate base and tax base resulting in an impact on PILOT, depreciation and return. Really this comes down to looking at the operational side and if you believe it is better for the utility to have responsibility and control for maintaining, repairing and replacing the main.

Jodi

From: Eugene Weihert [<mailto:eweihert@wppienergy.org>]
Sent: Wednesday, January 14, 2015 10:40 AM
To: Jodi Dobson
Subject: water main

Good morning Jodie: I was wondering if there is some benefit the Utility would see to have private water main get turned over to public? Was wondering if you had any thoughts on this.

Baker Tilly Virchow Krause, LLP Confidentiality Notice: This message is being sent by Baker Tilly Virchow Krause, LLP. It is intended exclusively for the individuals and entities to which it is addressed. This communication, including any attachments, may contain information that is proprietary, privileged, confidential, including information that is protected under the HIPAA privacy rules, or otherwise legally exempt from disclosure. If you are not the named addressee, you are not authorized to read, print, retain, copy or disseminate this message or any part of it. If you have received this message in error, please notify the sender immediately by email and delete all copies of this message. This message is protected by applicable legal privileges and is confidential. Tax advice, if any, contained in this communication was not intended or written to be used by any taxpayer for the purpose of avoiding penalties.

Eugene Weihert

From: Schmidt, Bruce - PSC <Bruce.Schmidt@wisconsin.gov>
Sent: Friday, January 16, 2015 11:19 AM
To: Eugene Weihert
Cc: Prochaska, David - PSC; Kemna, Stephen - PSC; Hanna, Alex - PSC; Olson, Gary J - PSC
Subject: RE: water main
Attachments: Waterloo Page 1 of Utility Operating Rules.pdf; Waterloo private water main map.pdf

Hi Eugene

The attached map you supplied shows a configuration of water service that is noncompliant with Waterloo's Schedule X-1 Operating Rules (attachment) which states: "No division of the water service lateral to any lot or parcel of land shall be made for the extension and independent metering of the supply to an adjoining lot or parcel of land." What this means is each parcel should have its own connection to the water main. There are potential future problems with the current layout of the pipe when there are two different owners, grocery store and apartment. For instance the utility should not shut off water to both customers when one pays their bill and the other doesn't. As a private lateral this is not a problem if both properties are owned by the same entity. If there is more than one owner than you should review PSC policy regarding "multiple properties served by a single lateral and shut off valve".

With regards to the current water connection, the utility is only responsible to its curb stop valve which should be located near the main (based on size) or in the terrace area along the property line and beyond that it is the owner's responsibility. Any leaks needs to be fixed by the owner or the utility can disconnect the water. It would not be prudent for the utility to take ownership of this pipe because it does not run in the standard street right of way, the cost to repair and maintain it would be prohibitive and these costs would be passed on to all of Waterloo's water customers.

The appropriate way for the utility to serve the General Dollar customer is from the main on Anna Street and the cost of that service connection is the new customer's responsibility.

Let me know if you have questions.

Bruce Schmidt
Cost Engineer, P.E.
(608) 266-5726
bruce.schmidt@wisconsin.gov

From: Eugene Weihert [<mailto:eweihert@wppienergy.org>]
Sent: Friday, January 16, 2015 9:36 AM
To: Schmidt, Bruce - PSC
Subject: water main

Minutes from February 3, 2015

The regular meeting of the Waterloo Water & Light Commission was held on Tuesday, February 3, 2015 at the Waterloo Utilities office at 575 Commercial Ave., Waterloo WI 53594 at 7:00 p.m.

The meeting was called to order by President Cliff Butzine. Commissioners present were Ray Robertson, Ray Burbach, Tom Bergan, Steve Hegstrom and Supt. Eugene Weihert. Also present was Barry Sorenson.

Citizen input. None

Motion by Bergan, seconded by Burbach to approve the minutes of the January 6, 2015 commission meeting. Motion carried.

Motion by Hegstrom, seconded by Bergan to approve payment of the January bills as presented. Motion carried.

Discussion was held regarding the private water main behind Piggly Wiggly. Motion by Hegstrom, seconded by Bergan to not take possession of the water main. Motion carried.

Motion by Butzine, seconded by Bergan to convene into closed session. Motion carried.

Motion by Burbach, seconded by Hegstrom to reconvene into open session. Motion carried.

Motion by Bergan, seconded by Burbach to allow Barry Sorenson to shadow Eugene Weihert's job until the time of Eugene's retirement on July 31, 2015. Motion carried.

Motion to adjourn by Hegstrom, seconded by Burbach. Motion carried.

Respectfully submitted,
Tom Bergan
Secretary



BAKER TILLY

Baker Tilly Virchow Krause, LLP
Ten Terrace Ct, PO Box 7398
Madison, WI 53707-7398
tel 608 249 6622
fax 608 249 8532
bakertilly.com

> To Gene Weihert
> From Jodi Dobson, Partner
> Date May 1, 2015
> Re Impact analysis of potential acquisition of private water facilities

We are providing the following response to your request dated April 6, 2015 to provide a summary of the potential costs to be recovered through rates if the utility were to acquire the private water facilities identified by the Piggly Wiggly Store. The attached analysis estimates the historical cost of the facilities based on the information provided and benchmark unit costs from the Public Service Commission of Wisconsin (PSCW). Assuming that the facilities would be contributed at no upfront cost to the utility we have estimated the increase in PILOT to be recovered in rates. We have also provided information to estimate the costs to be recovered when the facilities need to be reconstructed at the utility's expense in the future. Finally, we have noted that there are several factors that this analysis could not quantify.

As noted in the information you provided the PSCW has advised that any future connections need to follow Schedule X-1 of the utility's approved operating rules. If the utility were to proceed with the acquisition of the facilities noted here we would recommend you work with your attorney to draft the appropriate easement to ensure that you have proper access for maintenance, operation and eventual replacement of the facilities as deemed necessary by utility management.

Waterloo Water & Light
Requested Cost Analysis - Utility Acquiring Private Main and Related Facilities

Information provided by management:

- 139 ft. of main installed in 1977
- 636 ft. of main installed in 1992
- 3 valves (included with average historical cost of mains)
- 1 hydrant (assumed 1977)

Estimated historical cost of assets:

Based on benchmark unit costs from the PSCW provided in 2003

Main:	139	x	\$	20	=	\$	2,780
	636	x	\$	30	=	\$	19,080
Hydrant:	1	x	\$	750	=	\$	750
						<u>\$</u>	<u>22,610</u>

Rate recovery impact:

Depreciation	\$	-
PILOT	\$	475
Rate of Return	\$	-
	<u>\$</u>	<u>475</u>

This assumes that the facilities are transferred as is at no up front cost to the utility, thus resulting in contributed assets.

When the facilities needed to be reconstructed at the utility's expense the rate recovery impact would be:

Depreciation	1.3%
PILOT	2.1%
Rate of Return	4.5%
	<u>7.9%</u>

Thus for every \$10,000 the utility invested in capital improvements on these facilities rates would need to recover \$790 annually. The estimated replacement cost at 2014 costs and impact is as follows:

Estimated replacement cost	\$	65,150
Annual rate impact	\$	5,147

This does not take into account the following:

- > Costs associated with annual operations and maintenance
- > Additional costs associated with the unique location of these facilities
- > Potential PSCW concerns over the ability to shut off customers for nonpayment



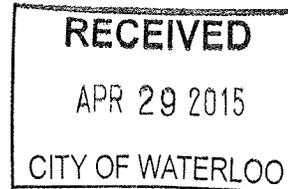
Jefferson County Highway Department
141 West Woolcock Street
Jefferson, WI 53549
920-674-7288 920-674-7446 fax

William T. Kern
Highway Commissioner

Highway Account Clerk
Alice Fischer

April 27, 2015

Chris Astrella, City Clerk
City of Waterloo
136 North Monroe Street
Waterloo, WI 53594



Dear Chris,

This letter is in regards to the County Road Aid Petition Money. This year it has been decided to handle the County Road Aid similar to last year. Like last year, we have decided that the municipalities should only send in their portion of the funds and that the Highway Department will match these funds in 2016. This means that in April of 2016, we will be applying our matching funds to your account so that the full amount can be used in 2016 for road construction projects.

We would appreciate having the enclosed petition form and your municipalities' portion of the petition monies returned to the County Highway Office by **June 30, 2015**. The petition is being mailed to you in duplicate. Please return the original to the Highway Office after your city meeting in order that the Highway Committee can report to the County Board of Supervisors. The duplicate is for your files.

The City of Waterloo has 17.90 miles of city streets, according to the mileage established by the Wisconsin Department of Transportation. Therefore, the municipalities' amount of the petition that is due by June 30, 2015 is \$2,000.00. The county share amounting to \$2,000.00 will be applied to the municipalities account in April of 2016.

Enclosed is a copy of County Road Aid Resolution No. 2005-02. On April 19, 2005, the County Board of Supervisors adopted Resolution No. 2005-02 establishing the procedure for County Road Aid to towns, villages and cities for road projects. The most notable change in County Road Aid is that the Jefferson County Highway Department has the right of first refusal on future road construction projects.

We again offer the cooperation and help of our Highway Department if you wish to consult us regarding proposed street work in the City of Waterloo. Please notify our office if you are going to do any construction, so that our staff may assist you in assessing your needs and making recommendations.

If there are any questions regarding this or other matters related to our department, please contact me or another member of our staff.

Sincerely,

JEFFERSON COUNTY HIGHWAY DEPARTMENT

William T. Kern
Highway Commissioner

NOTE: Petition and check for municipalities' portion of petition MUST be in our office by June 30. If there is a concern with the date please contact our office.

PETITION FOR COUNTY HIGHWAY AID

The City of Waterloo, Jefferson County, Wisconsin, hereby petitions the Board of Supervisors of the County of Jefferson as follows:

1. That heretofore, to-wit, on the _____ day of _____, 20____, at a lawful meeting of the governing body of said municipality a resolution was duly adapted to appropriate funds for the improvement of highways in said municipality at a cost estimated as follows:

Local municipality share \$2,000.00 (to be paid by June 30)

County of Jefferson share \$2,000.00 (to be applied to account in April)

Total improvement costs \$4,000.00

2. That the County of Jefferson share of the appropriation does not exceed the maximum of \$100.00 per mile of local roads in said municipality.
3. That said municipality is willing to abide by the rules set forth in Resolution No. 2005-02 adopted April 19, 2005, and to offer the Jefferson County Highway Department a right of first refusal for the work.

4. According to the resolution, City of Waterloo takes the position of **(must check one)**:

_____ Will participate in County Road Aid this year.

_____ Does not wish to participate in County Road Aid this year.

WHEREFORE, said municipality requests that the Board of Supervisors of the County of Jefferson grant this petition for County highway aid in the sum of \$ \$2,000.00 in accordance with the provisions of s.83.14 and s. 83.03(1) of the Wisconsin Statutes and in accordance with the resolutions of said Board of Supervisors heretofore adopted.

Dated this _____ day of _____, 20_____.

City of Waterloo

NOTE: Petition and check for municipalities' portion of petition MUST be in our office by June 30

RESOLUTION NO. 2005-02

WHEREAS, Resolution No. 172, adopted March 11, 1969, establishes the procedure for county aid to towns, villages and cities for road projects, and

WHEREAS, Section 83.14, Wis. Stats., provides that the County is not obligated to aid town or village construction in excess of \$2,000 per year, and

WHEREAS, the County may provide discretionary aid under Section 83.03, Stats., in excess of \$2,000, and

WHEREAS, previous County Board policy is to provide aid to towns, villages and cities at the rate of \$100 per mile of roads within their respective municipalities, and

WHEREAS, it is desirable when discretionary aid is granted that the County Highway Department have the opportunity to perform the work,

NOW, THEREFORE, BE IT RESOLVED that filing a petition for county road aid in excess of \$2,000 in any year shall require the petitioning municipality to offer the work to the County Highway Department prior to entering into a contract with another party.

BE IT FURTHER RESOLVED that municipalities carrying over balances shall not be required to offer the Highway Department a right of first refusal for the work if said work is contracted for in 2006.

Fiscal Note: The 2005 budget contains \$92,874 for this program. Requiring municipalities to offer the work under this program to the County Highway Department may result in greater utilization of Highway Department forces and savings from greater economies of scale. It is not anticipated that this resolution will have a significant fiscal impact.

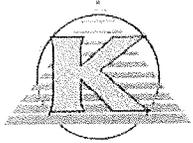
AYES ___26___

NOES ___1___ (Bockmann)

ABSENT ___3___

Requested by
Highway Committee

04-19-05



KUNKEL
engineering
group

107 Parallel Street
Beaver Dam, WI 53916
(920) 356-9447
fax: (920) 356-9454
kunkelengineering.com

April 24, 2015

Mrs. Lois Baird
City of Waterloo
136 N Monroe Street
Waterloo, Wisconsin 53594

**RE: Engineers Report
Anna Street Sidewalk Improvements**

Dear Mrs. Baird,

Kunkel Engineering Group herewith submits its report on the above referenced project. The Engineer's Report provided herein consists of the following attachments:

- | | |
|----------------|---|
| Attachment "A" | Project Specifications |
| Attachment "B" | Project Plans |
| Attachment "C" | Construction Cost
(Unit Prices are estimated. Assessment will be based off of actual bid prices and measured quantity in field.) |
| Attachment "D" | Schedule of Proposed Assessments |

Lois, should you have any questions relative to the report, the accompanying attachments, or this transmittal, please do not hesitate to contact me.

Sincerely,

KUNKEL ENGINEERING GROUP

Mitchell Leisses

Attachments

ENGINEERS REPORT

City of Waterloo

Anna Street Sidewalk Improvements



April 24, 2015

Prepared By:

Kunkel Engineering Group, LLC
107 Parallel Street
Beaver Dam, Wisconsin 53916
Phone: (920) 356-9447
Fax: (920) 356-9454
kunkelengineering.com

ATTACHMENT "A"
PROJECT SPECIFICATIONS

CITY OF WATERLOO
2015 ANNA STREET SIDEWALK IMPROVEMENT
Specifications & Special Provisions

Scope of Work

The work includes furnishing all labor, materials, and equipment required for the installation of concrete sidewalk, and restoration, as shown by the plans and contract documents, complete, ready for use and acceptable to the City of Waterloo.

Owner & Engineer

When the OWNER or TOWN is mentioned herein, it means the City of Waterloo. When the ENGINEER is mentioned, it means the Consultant, Kunkel Engineering Group, or its delegated representative.

Standard Specifications

Perform all work under this contract as per the provisions of Standard Specifications for Sewer and Water Construction in Wisconsin, Sixth Edition, and State of Wisconsin Department of Transportation, Division of Highways, Standard Specifications for Highway and Structure Construction, latest edition, including all Supplemental Specifications and other revisions to date, unless otherwise specified herein or noted on the plans. Both documents are referred to herein as Standard Specifications. Section numbers less than 100 refer to the former, section numbers larger than 100 refer to the latter.

Customary English units will be used for plan dimensions, layout of work, and measurement for payment as listed on the Bid Form under this contract. References to nominal SI (Metric) units in the Standard Specifications are to be converted to their customary English equivalent.

Utilities

Notify all Utilities that may have overhead or buried lines in the construction area. Repair or replacement of any disturbed utilities is Contractor's responsibility. The Contract Price includes any costs for temporary or permanent relocations of such structures and facilities required to complete the Work unless specifically indicated otherwise in the plans or specifications.

Payment Requests

The contractor's payment requests shall be submitted in the format shown attached to these provisions (Section 00620). Change Orders, variable quantity adjustments, materials stored on site, and other considerations not covered by the form shown shall be addressed by attachments to this format (Section 00941). The form is included to illustrate the required format and the minimum information to be shown on the contractor's payment requests. In addition contractor must provide lien waivers from all suppliers and subcontractors prior to final payment being approved.

Field Engineering and Layout of Work

Contractor is advised that there are numerous property corner and survey markers along the project route. These stakes must not be disturbed. Such stakes, if disturbed, must be replaced by a surveyor licensed to practice in Wisconsin, who must issue a certificate to the owner affirming that the stakes have been replaced and that they occupy the same position that they did before the Work commenced. Include all costs associated with preserving and relocating property corner marker stakes in whichever Bid Prices Contractor deems appropriate.

Special Provisions

The following special provisions supplement, modify, or supersede standard technical specifications with reference to work under this contract.

Traffic Control and Access

General:

The Contractor must maintain access to business and residents throughout the project area at all times. Should, in the opinion of the Engineer, any portion of the work require temporarily closing a street or road, the temporary road closure must be approved by the Owner. Unless a temporary road closure is approved by the Owner, the Contractor shall maintain at least one lane of traffic at all times, and two lanes of traffic during non-working hours. Abutting/adjoining property owners must be provided access to their property at all times, including when streets are temporarily closed to traffic. All signs, barricades, warning devices, flagmen, etc., must be provided and maintained by the Contractor.

Should a temporary road closure be approved by Owner, it is the responsibility of the Contractor to give prior notification to, adjoining residents and businesses, the local Street Department or Township, the local Fire Department, County Highway Department, and the Department of Transportation as per the policies of the respective agencies.

All Access Requirements will be strictly enforced during the course of construction. Be prepared to provide immediate access for fire, police, ambulance and other emergency vehicles without regard to damage to any of the Work in progress.

Street Cleaning:

Keep adjacent streets clear of gravel, tracked soil and material spilled from trucks or other equipment. Implement dust control measures as required.

Disposal of Materials & Salvage

Excavated material and other excess materials shall be disposed of in a legal manner at a site to be provided by the Contractor as per Section 2.2.11 of the standard specifications. The Contractor is solely responsible for securing a site and disposal of all surplus or excavated material from this project per all Wisconsin DNR and Federal regulations. Onsite burial of debris, brush, logs, and stumps will not be allowed.

Include all costs associated with Disposal of Materials & Salvage in the Bid Prices for which this work is associated.

Unclassified Excavation

All earthwork for this project shall be considered unclassified excavation and conform to S.205 (roadway excavation), S.207 (embankment), and S.213 (finish grading) of the Standard Specifications. Excavation, demolition, removal and disposal of materials will not be paid for separately, but will be considered incidental to the Bid Price for associated work under this contract.

Saw Cutting Existing Pavement & Sidewalk

Saw cut all existing pavement and concrete structures using a wheel mounted saw. Do not use any other method of cutting existing pavement and/or concrete. In particular, do not use bucket mounted disk cutters or hand held saws.

Saw Cutting Pavement will not be paid for separately, but will be considered incidental to the Bid Price for associated work under this contract.

Base Course

Construction shall conform to Section 301.3 of the Standard WDOT Specifications

Base Course:

Furnish and install a compacted, base course as shown by the typical cross section.

- Base course shall conform to "Base Aggregate Dense, $\frac{3}{4}$ " per Section 305 of the WDOT Standard Specifications
- Base course shall be compacted to Special Compaction per Section 301.3.4.2 of the WDOT Standard Specifications (95% max density per AASHTO T99 & T191).

Testing:

Sub-grade Acceptance

At the request of the Engineer sub-grade shall be proof rolled and accepted prior to placing base course. Proof rolling shall be two to four passes with a rubber tire roller or loaded truck weighing at least 25 tons. Areas which show pumping or excessive rutting shall be undercut, unstable materials removed and replaced, with breaker run stone, and retested.

Material Testing

At the request of the Engineer and at no additional cost to the Owner, the Contractor shall furnish documentation of gradation testing for sub base or base course materials, showing conformance with the specifications.

Compaction Testing

Where ordered by the Engineer, compaction testing of base course will be performed per Section 301.3.4.2 of WDOT Standard Specifications.

- Costs of Compaction Testing will be paid for by the Owner if an Allowance for Testing is not provided in the Contract.
- The Contractor shall bear the costs of retesting areas which fail initial tests and have been corrected

Cast in Place Concrete

Concrete Materials

- Concrete for all sidewalk work shall meet the following specifications:
 - Grade A per s. 501.3.1.3 of WDOT Standard Specifications.
 - Aggregates shall conform to Section 501.2.5 WDOT Standard Specifications.
 - Use air entraining cement or DOT approved admixture such that concrete contains 6.0% plus or minus 1.0% entrained air.

General Construction Requirements

- All concrete shall have an average 28 day compressive strength of 4000 psi and no individual test shall show a 28 day compressive strength less than 3800 psi.
- All concrete shall be poured within one hour of the time water was added to the dry mix. Any mixed concrete older than one hour, whether full or partial truck load, will be rejected.

Testing

- Where ordered by the Engineer, the Contractor shall cast concrete test specimen cylinders per Section 501.3.10 of the Standard Specifications.
- Costs of Testing will be paid for by the Owner if an Allowance for Testing is not provided in the Contract
- Concrete found not meeting the specifications will be removed and replaced as directed by the Engineer at the Contractors expense.

Standard Curing of Concrete:

Cure all concrete in accordance with Section 415.3.16 and 415.3.12 Standard Specifications using the Impervious Coating Method per Sections 415.3.12.1 and 415.3.12.2. Use white pigmented curing compound.

Linseed Oil Concrete Curing:

- Furnish liquid membrane-forming curing compounds composed of a blend of boiled linseed oil and high viscosity, heavy boiled linseed oil emulsified in a water solution conforming to AASHTO M148, type 2.
- White colored linseed oil shall be used such that the cured concrete is aesthetically similar to ordinary cured concrete.
- When applying the linseed oil, follow the Impervious Coating Method found in section 415.3.12.2 of the Standard Specifications.
- The application rate for each application shall be one gallon of mixture to 200 SF of concrete.

PCC Driveway Apron

Install driveway aprons per the plans, plan details and provision of Section 416.3.4 WDOT Standard Specifications.

- Driveway width at property line shall match existing driveway width but shall not be less than 10 feet.
- Width of the driveway approach at the curb shall be 3 feet wider on each side of the approach than at the property line unless directed otherwise by the Engineer to compensate for narrow street terrace or other individual situations.
- Contractor shall install aprons wider than shown on the plan at the property owners request and approval of the Owners Representative.

- Where the Engineer or Owners representative determine that sections of existing sidewalk are to remain, meet the face of the walk with the new driveway apron.
- Where the existing sidewalk is to be removed, the sidewalk section through the driveway, must be 6" thick on a 6" compacted aggregate base. The portion of the driveway in the walk area may be warped to blend in with the approach.
- Saw cut a center joint where drives are wider than 20'.
- Remove and replace any concrete driveway approach that cracks at locations other than the contraction joints.
- Install 1/2" felt at the gutter and where the walks abut the driveways.
- Saw cut existing concrete driveways as required and install new concrete driveway patch between new sidewalk and existing concrete driveway.

Sidewalks running across driveways are to be constructed per the detail and specifications for Concrete Driveways and will be paid as such.

PCC Driveway Apron will be paid at the Bid Price per Square Foot, measured in place. Bid Price includes:

- 6" course of "Base Aggregate Dense, 3/4" per Section 305 of the WDOT Standard Specifications
- Preparation of sub-grade and fine grading aggregate base
- Sawing and Jointing
- Specified curing.

PCC Sidewalk

As shown on the plans or as directed by the Engineer or Owners Representative, install concrete sidewalk per Section 602 of the WDOT Standard Specifications.

- Sidewalk shall be installed on a 4" course of "compacted base aggregate dense 3/4"
- Minimum sidewalk thickness shall be 4".
- Install 1/2" felt where walks meet the curb and existing walks.
- Install 1/2" felt transverse expansion joint at uniform intervals not greater than 96 ft.
- Install 1" felt expansion joint between sidewalk and buildings or similar structures.
- Provide transverse contraction joints at intervals, equal to the width of the walk, along the run of sidewalk.
- Sidewalk Accessibility Ramps must comply with Americans with Disabilities Act provisions
- Remove and replace any concrete sidewalk that cracks at locations other than the contraction joints.

Where required, remove and dispose of existing sidewalk. Removal and disposal of existing walk will not be paid for separately but will be considered incidental to the Bid Price for Concrete Sidewalk.

PCC Sidewalk will be paid at the Bid Price per Square Foot, measured in place. Bid Price includes:

- Saw cut, removal and disposal of existing concrete walk or driveway
- Excavation to subgrade
- 4" course of "Base Aggregate Dense, 3/4" per Section 305 of the WDOT Standard Specifications
- Preparation of sub-grade and fine grading of aggregate base course
- Jointing
- Specified curing

Detectable Warning Fields

Where each sidewalk run meets the curb and gutter at intersections and as called out on the plans, provide accessibility ramps with a detectable warning field. Ramps and accessibility provisions shall conform to the Revised Draft Guidelines for Accessible Public Rights of Way, 12/23/2005, by the United States Access Board.

- Provide ramps with a transverse, broomed finish.
- The sidewalk ramps shall be installed with a detectible warning field comprised of a truncated dome textured surface.
 - Detectable warning field shall be equal to the width of the sidewalk by a minimum of 24" measured with the run of the walk.
 - The textured surface may be applied by stamping the concrete and painting the detectable warning field with an epoxy paint intended for pavement marking. Apply per manufacturers recommendations.
 - An approved insert device from the WDOT approved materials list may be substituted in lieu of stamped and painted concrete.

Concrete sidewalk will be paid for separately, at the Bid Price per square foot, as noted in earlier sections. Detectable Warning Fields will be paid for at the Bid Price per Each location.

Clear and Grubbing

Remove and dispose of trees and brush as indicated on the plans per Section 201 of the WisDOT Standard Specifications. Onsite burning or burial of brush, limbs, logs, stumps or associated debris will not be allowed. Comply with Disposal of Materials section of these Special Provisions.

Removal and disposal of stumps will be considered incidental to the Bid Price for Clearing and Grubbing. Payment shall be as indicated on the Bid Form.

Topsoil and Seeding

Apply topsoil, fine grade, seed, fertilize, and mulch all areas disturbed by construction.

Topsoil

Furnish, install and fine grade pulverized topsoil in all areas to be seeded.

Installed topsoil thickness shall be 4".

Provide an allowance of at least one additional inch to account for settling and compaction. Topsoil must not contain stones, rocks, gravel, excessive amounts of vegetative matter, sticks, herbicides, pesticides, weed seeds or other objectionable matter.

Seeding and Mulch

Perform all seeding work as per s. 630 of the WDOT Standard Specifications.
Apply Fertilizer Type A as per s. 629 of the Standard Specifications.

Standard Seeding:

- Seed Mixture #40 for street terrace and lawn areas
- Seed Mixture #20 for back slopes, and as directed by the Engineer.

Seed may be sown by either Method A or B at the Contractors option.

Mulch all seeded areas as per s. 627 of Standard Specifications. Contractor's attention is called to the requirements for anchoring straw mulch by Methods A, B, or C. Provisions for anchoring straw mulch will be strictly enforced for this project.

Repair or replace any area that settles, washes out, does not grow, is excessively weedy, erodes, or fails in any other manner within the warranty period at no cost to Owner.

Measurement and Payment

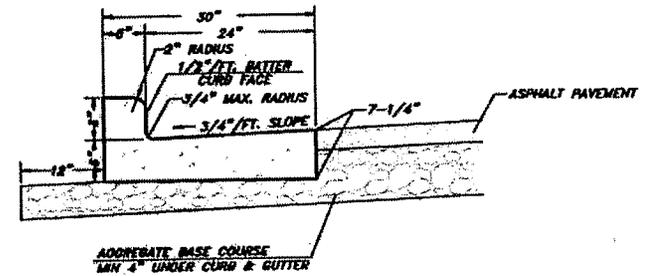
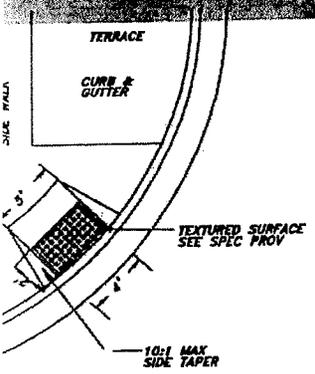
Topsoil and Seeding will not be paid for separately, but will be considered incidental to the Bid Price for associated work under this contract. Topsoil and Seeding includes cleanup, grading, furnishing and installing topsoil, fertilizer, seeding and mulch.

ATTACHMENT “B”

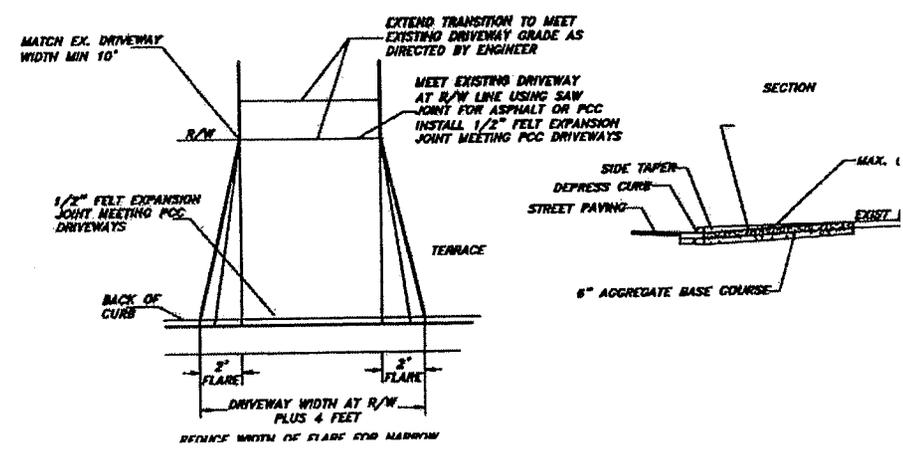
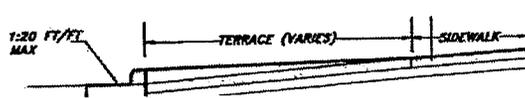
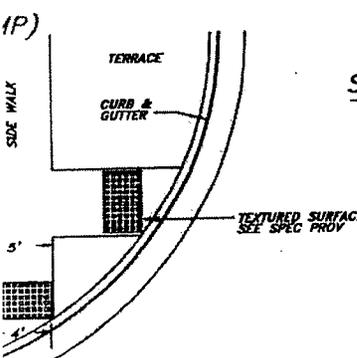
PROJECT PLANS



062
 ATERLOO INC



**STANDARD TYPE A CURB AND GUTTER
 ADJACENT TO HMA PAVEMENT**



ATTACHMENT "C"

CONSTRUCTION COSTS



KUNKEL
engineering
group

107 Parallel Street
Weaver Dam, WI 53916
(920) 356-9447
fax: (920) 356-9454
kunkelengineering.com

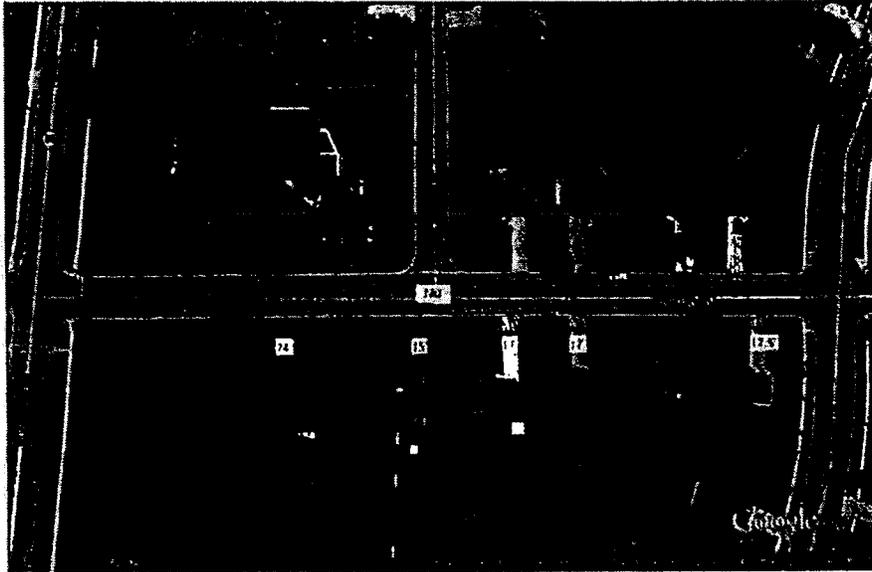
City of Waterloo, Wisconsin
PRELIMINARY ESTIMATE OF COST
Anna Street Sidewalk Improvement
Date: March 16, 2015

From Lum Ave. to Monroe (S. Side Only) 740 LF

Install New 4' Concrete Sidewalk.
Remove and replace concrete driveway aprons

Anna Street Estimated Quantities

Quantity	Unit	Item	Unit Cost	Item Cost
1	LS	Unclassified Excavation		\$6,000
2600	SF	PC Conc Sidewalk, 4"	\$4.75	\$12,350
820	SF	PC Conc Driveway Apron, 6"	\$6.00	\$4,920
10	Ton	Asphalt Driveway Apron, 4"	\$200.00	\$2,000
250	SY	Topsail & Seeding	\$5.00	\$1,250
Total Estimated Construction Cost				\$26,520



ATTACHMENT “D”

SCHEDULE OF ASSESSMENTS

