

AGENDA

NEENAH WATER UTILITY REGULAR WATER COMMISSION MEETING

Monday, June 15, 2020

4:30 P.M.

Council Chambers – City Hall

NOTICE IS HEREBY GIVEN, pursuant to the requirements of Wis. Stats. Sec. 19.84, that a majority of the Neenah Common Council may be present at this meeting. Common Council members may be present to gather information about a subject over which they have decision making responsibility. This constitutes a meeting of the Neenah Common Council and must be noticed as such. The Council will not take any formal action at this meeting.

1. Approve Regular Meeting Minutes for May 18, 2020 (Attachment)
2. Approve the Invoices for May 2020 (Attachment)
3. Appearances
4. Old Business/New Business
 - A. Discussion and approval of Draft Lead and Galvanized Water Service Line Replacement Ordinance (Attachment)
 - B. Reimbursement for oversizing water main in the First Addition to Integrity Acres and holding one-half of the costs of 10" of water main and seven (7) water services along Honor Street services as a deferred assessment (Attachment)
 - C. Presentation and discussion of the proposal for a Water Distribution Capacity and Growth Study
 - D. Director's Report (Attachment)
 - E. Any Other Business That May Legally Come Before the Commission
 - F. Adjournment

*In accordance with the requirements of Title II of the Americans with Disabilities Act (ADA), the City of Neenah will not discriminate against qualified individuals with disabilities on the basis of disability in its services, programs, or activities. If you need assistance, or reasonable accommodation in participating in this meeting or event due to a disability as defined under the ADA, please call the **Water Utility Administrative Assistant at 920-886-6180** or the **City's ADA Coordinator at (920) 886-6106** or e-mail attorney@ci.Neenah.wi.us at least 48 hours prior to the scheduled meeting or event to request an accommodation.*

MINUTES OF THE NEENAH WATER WORKS COMMISSION

Regular Meeting – May 18, 2020

Teleconference

Due to the Public Health Emergency caused by the COVID-19 Pandemic, this meeting has been held at a virtual location accessed by conference call.

Present: President Kaufert; Commissioners: Schmeichel, Bauman, and Lang; Director Mach, Jodi Dobson, Director of Finance Easker, Assistant Comptroller Kahl, and Alderman Stevenson

Excused: Commissioner Boyette

President Kaufert called the meeting to order at 4:33 p.m.

Approve Regular Meeting Minutes for April 20, 2020 – Following discussion, **M.S.C. Bauman/Schmeichel to approve the April 20, 2020 Regular Meeting Minutes.** All voting aye.

Approve the Invoices for April 2020 –The Commission questioned a payment and credit for Scott Lamers Construction, Inc., and invoices from the Wisconsin Department of Natural Resources, and Carl Bowers & Sons Construction. AC Kahl indicated that the payment and credit were for an incorrectly charged account for a service replacement. Director Mach explained the yearly DNR Water Withdrawal Report and corresponding payment based upon water withdrawn from the lake. Commissioners noticed that the charges for the final payment for Contract 1-19 did not match the Board of Public Works payment cover sheet. AC Kahl indicated that the check register detail amounts were correct, but there was an error on the BPW cover sheet. He then emailed a corrected copy. Director Mach will insert this corrected copy in the minutes. Commissioner Bauman asked if a listing of usual and customary charges be sent to Commissioners. Director Mach said he would develop this list as time allows. Commissioners questioned why final payments for some contracts do not require approval from the Waterworks Commission. Director Mach referenced the Approval Authority document and longstanding procedure whereby final payments for combined projects where the budget is greater than 50% is recommended by the Board of Public Works, approved by Common Council, and the Waterworks Commission is informed.

Following discussion, **M.S.C. Schmeichel/Bauman to approve the April 2020 invoices.** All voting aye.

Appearances – None

Old Business/New Business

Annual Utility Audit Report – Jodi Dobson of Baker Tilly Virchow Krause, LLP presented the Utility Audit Report for 2019. There was a misprinting on the copies delivered to Commissioners, so everyone was directed to refer to the agenda copy available on the City of Neenah website. Highlights included a decrease of 2% in water sales from 2018 to 2019, a strong and consistent rate of return, strong debt coverage, eleven months of billings on hand as unrestricted funds, and a steadily increasing Net Plant funded by equity vs. debt. President Kaufert asked about the revenue difference in 2019. Director Mach noted the residential revenue decrease was most likely due to a wet, rainy year in 2019. A portion of Utility debt will be retired in late 2021. Commissioners questioned the language used with regards to the “Internal control matters.” Director Easker noted that the City of Neenah does not have

Water Commission Regular Meeting Minutes
May 18, 2020
Page 2 of 3

the necessary staff to prepare all statements needed for the audit. As such, we rely on Baker Tilly to develop these statements. Jodi Dobson said this is very common for cities of Neenah's size and that only very large cities with a dedicated accounting staff of are able to provide these services. Director Easker and Jodi Dobson also noted that there were no entry adjustments needed in 2019. This is an indicator of the high level of reporting accuracy provided by the Finance Department.

Following discussion, **M.S.C. Lang/Schmeichel to accept and place on file the Annual Utility Audit Report.** All voting aye.

Financial Reports – Assistant Comptroller Kahl and Director Mach presented the Year End and 1st Quarter of 2020 Financial Reports. President Kaufert asked what items are included in the “Capital Contributions” like. AC Kahl said this line includes the actual cost of developer financed infrastructure. As the Utility takes possession of the mains and services, these are reflected as revenue on the Income Statement. The Commissioners questioned whether there are any projected decrease in sales due to COVID-19. Director Mach indicated that there will very likely be decreases in sales in the Commercial and Industrial sectors, but projections are difficult at this time.

Following discussion, **M.S.C. Bauman/Lang to accept and place on file the Year End and 1st Quarter Financial Reports.** All voting aye.

Director's Report –

1. Non-Billable Water Report 11.06% (January, February, March) up from 3.93% (December, January, February). Commissioner Lang asked Director Mach to review these figures.
2. The following Final Payments were approved at the April 15, 2020 Board of Public Works meeting and the April 21, 2020 Common Council meeting:

Final Payment for Contract 1-19, Miscellaneous Sewer and Water Main Construction to Carl Bowers & Sons Construction Co., Inc., Kaukauna, in the amount of ~~\$4,909.50~~ \$15,439.50 for Caroline Street, \$4,671.25 for Stevens Street, and \$4,895.50 for Fifth Street. **Note: An updated cover sheet will be attached. The reported final payment did not reflect a change order in the amount of \$10,530.00**

Final Payment for Contract 2-19, Miscellaneous Sewer and Water Main Construction to Robert J. Immel Excavating, Inc., Greenville, in the amount of \$12,670.75 for Stanley Court, \$10,654.00 for Thomas Court, and \$13,587.50 for Stanley Street.

3. The following Change Orders and Pay Estimates were approved at the May 12, 2020 Board of Public Works meeting:

Change Order No. 1 for Contract 5-20, Miscellaneous Sewer and Water Main Construction on Lakeshore Avenue to Robert J. Immel Excavating, Inc., Greenville, in the amount of \$5,515.45 for water service boring.

Pay Estimate No. 2 for Contract 1-20 Sewer and Water Main and Street Construction on Center Street in the amount of \$55,066.75 to Kruczek Construction, Inc., Green Bay.

Water Commission Regular Meeting Minutes
May 18, 2020
Page 3 of 3

Pay Estimate No. 2 for Contract 2-20, Miscellaneous Sewer and Water Main Construction on Van Street in the amount of \$119,387.00 and Monroe Street in the amount of \$82,094.00 to Carl Bowers & Sons Construction Co., Inc., Kaukauna.

Pay Estimate No. 2 for Contract 5-20, Miscellaneous Sewer and Water Main Construction on Lakeshore Avenue in the amount of \$200,702.48 to Robert J. Immel Excavating, Inc., Greenville.

4. Construction update. Work is substantially complete on Lakeshore Avenue, Van Street, and Monroe Street. Contract 1-20 is progressing. Contract 4-20 will be presented for approval at the May 20, 2020 Board of Public Works meeting.
5. The next Water Commission Meeting is scheduled for June 15, 2020.

Following discussion, **M.S.C. Lang/Schmeichel to accept the Director's Report and place on file.**
All voting aye.

Adjournment – **M.S.C. Lang/Schmeichel to adjourn at 5:27 p.m.** All voting aye.

Respectfully submitted,



Anthony L. Mach
Director, Neenah Water Utility

Pay To: Carl Bowers & Sons Const. Co., Inc.
N1844 Maloney Road
Kaukauna, WI 54130

Contract No. Contract 1-19 Miscellaneous Sewer and Water Main Construction
and Street Construction on Caroline Street, Stevens Street, Fifth Street

Water Work Order No: 410, 414, 415

Date: April 7, 2020

Estimate No. Final

Account Description	Account #	Payment	Contract Breakdown	Budget	Change Orders	Pd to Date
Sanitary - Caroline (Union to Van)	046-5081-743-0236	\$2,168.24	\$94,000.00	\$100,000		\$95,624.76
Water Main - Caroline (Union to Van)	400-0000-207-0410	\$15,439.50	\$117,488.00	\$80,900	\$10,530.00	\$93,280.50
Storm - Miscellaneous Repairs	049-5203-743-0236	\$1,226.01	\$93,000.00	\$123,000		\$89,658.99
Street - Caroline (Union to Van)	012-4394-743-0236	\$8,689.22	\$145,000.00	\$185,000		\$140,006.99
Sanitary - Stevens (Congress to Doty)	046-5082-743-0236	\$4,468.00	\$109,000.00	\$100,000		\$128,402.00
Water Main - Stevens (Congress to Doty)	400-0000-207-0414	\$4,671.25	\$140,000.00	\$94,400		\$88,753.75
Storm - Miscellaneous Repairs	049-5203-743-0236	\$2,564.48	\$52,000.00	\$135,000		\$62,007.52
Street - Stevens (Congress to Doty)	012-4398-743-0236	\$8,867.21	\$145,000.00	\$180,000		\$127,106.21
Sanitary - Miscellaneous Repairs	046-5001-743-0236	\$1,607.25	\$45,320.00	\$45,320	\$21,465.00	\$78,116.75
Water Main - 5th (Clark to Lincoln)	400-0000-207-0415	\$4,895.50	\$117,487.00	\$86,600		\$122,342.50
Storm - Miscellaneous Repairs	049-5203-743-0236	\$3,093.57	\$75,130.00	\$116,975		\$60,895.43
Street - 5th (Clark to Lincoln)	012-4301-743-0236	\$16,142.28	\$66,104.00	\$65,000	\$8,544.07	\$80,040.16
TOTAL		\$73,832.51	\$1,199,529.00	\$1,312,195	\$40,539.07	\$1,166,235.56

Prepared by Public Works Department April 24, 2020

Approved by Public Works Department April 7, 2020

Approved by Board of Public Works _____

Approved by Common Council
 (final payments only) _____

Approved by Water Commission
 (final payments only) _____

Sent to Finance _____

Number of Attachments 2

City of Neenah
 Public Works Department
 Contract Payment Form

WATER UTILITY CASH ACTIVITY
May 2020

Cash Balance May 1, 2020		\$2,370,625
Cash Receipts		
Water Collection Receipts	557,515	
Other Water Receipts	<u>15,209</u>	
		572,723
Cash Distributions		
Check Register	124,791	
P-Card Register	36,678	
Disbursements to the City	<u>120,228</u>	
		<u>281,697</u>
Cash Balance May 31, 2020		<u><u>2,661,652</u></u>

MAY DISBURSEMENTS TO THE CITY

Payroll	83,655
Payroll Benefits	32,289
Vehicle Fuel & Fluids	876
IS Services	3,358
Postage	<u>50</u>
Total May Disbursements to the City	<u><u>120,228</u></u>

REPLACEMENT FUND RESERVES AS OF MAY 2020

Sludge Lagoon	\$2,822,349
Vehicles	168,584
Painting Towers	167,956
Painting Hydrants	<u>44,500</u>
Total Replacement Fund Reserves	<u><u>\$3,203,389</u></u>

VENDOR NAME	CHECK #	CHECK DATE	TRANS		DESCRIPTION	TRANSACTION AMOUNT
			INV#	ACCOUNT NUMBER		
WE ENERGIES	49805	05/07/2020	447772	AP 400-0401-770-6230	PUMPING - ELECTRIC MAR-APR	8,753.14
	49805	05/07/2020	447772	AP 400-0401-770-6260	PUMPING - HEAT MAR-APR	1,039.67
	49805	05/07/2020	447772	AP 400-0401-770-6420	WATER TREATMENT - HEAT MAR-APR	2,740.96
	49805	05/07/2020	447772	AP 400-0401-770-6430	WATER TREATMENT-ELECTRIC MAR-APR	3,366.59
	49805	05/07/2020	447772	AP 400-0401-770-6610	WATER TOWER - ELECTRIC MAR-APR	739.59
	49805	05/07/2020	447772	AP 400-0401-770-6630	METER SERV - ELECTRIC & HEAT - MAR-APR	208.95
	49805	05/07/2020	447772	AP 400-0401-770-6650	DIST - ELECTRIC & HEAT MAR-APR	1,880.50
	CHECK TOTAL -					
GRAYMONT WESTERN LIME INC	49822	05/14/2020	149473RI	AP 400-0401-770-6410	HYDRATED LIME	3,606.40
	49822	05/14/2020	147889RI	AP 400-0401-770-6410	HYDRATED LIME	3,843.20
CHECK TOTAL -						7,449.60
KRUEGER TRUE VALUE	49828	05/14/2020	119134	AP 400-0402-770-6520	MURIATIC ACID	40.45
	49828	05/14/2020	119283	AP 400-0402-770-6520	PAINTING SUPPLIES	33.41
	49828	05/14/2020	119567	AP 400-0402-770-6520	FASTENERS	120.06
CHECK TOTAL -						193.92
MICHELS MATERIALS	49834	05/14/2020	388589	AP 400-0402-770-6750	BACKFILL	128.48
	49834	05/14/2020	388589	AP 400-0402-770-6730	BACKFILL	130.70
	49834	05/14/2020	389412	AP 400-0402-770-6730	FOREST MANOR LEAK BACKFILL	139.86
CHECK TOTAL -						399.04
BAKER TILLY VIRCHOW KRAUSE LLP	49866	05/21/2020	BT160956	AP 400-0401-770-9232	AUDIT SERVICES THRU 3/31	9,500.00
	49866	05/21/2020	BT161195	AP 400-0401-770-9232	AUDIT SERVICES THRU 4/30	3,200.00
CHECK TOTAL -						12,700.00
DIVERSIFIED BENEFIT SERVICES I	49869	05/21/2020	304178	AP 400-0401-770-9260	MAY SERVICES - HRA	68.00
	49869	05/21/2020	302929	AP 400-0401-770-9260	APR SERVICES - HRA	68.00
	49869	05/21/2020	305160	AP 400-0401-770-9260	MAY SERV - FLEX SPENDING	19.75
CHECK TOTAL -						155.75
GRAYMONT WESTERN LIME INC	49873	05/21/2020	149854RI	AP 400-0401-770-6410	HYDRATED LIME	3,707.20
CHECK TOTAL -						3,707.20
INTEGRITY CUSTOM HOMES LLC	49904	05/28/2020	WATER/RE	AP 400-0000-207-0436	OVERSIZING COSTS 10" TO 16" WATER MAIN & VALVES	86,791.30

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CITY OF NEENAH
Detail CHECK REGISTER- WATER DEPARTMENT
Period Ending - 05/31/2020

PAGE: 2
RUN DATE: 06/09/2020
RUN TIME: 13:41:15

VENDOR NAME	CHECK #	CHECK DATE	TRANS INV#	CODE	ACCOUNT NUMBER	DESCRIPTION	TRANSACTION AMOUNT
	49904	05/28/2020	WATER/RE	AP	400-0000-207-0436	WATER MAIN INSPECTION FEES	5,335.67-
						CHECK TOTAL -	81,455.63
						GRAND TOTAL -	124,790.54

*** END OF REPORT ***

VENDOR NAME	CHECK #	CHECK DATE	TRANS INV#	CODE	ACCOUNT NUMBER	DESCRIPTION	TRANSACTION AMOUNT
U S BANK	308	04/30/2020	04-27-20	AP	400-0401-770-6410	MILPORT ENTERPRISES INC	3,884.56
						SODIUM HYPOCHLORITE	
	308	04/30/2020	04-27-20	AP	400-0401-770-9290	EXXONMOBIL 99635542	24.77
						TRUCK FUEL	
	308	04/30/2020	04-27-20	AP	400-0401-770-6420	CULLIGAN WATER CONDITIONI	43.00
						LAB WATER	
	308	04/30/2020	04-27-20	AP	400-0402-770-6520	THE HOME DEPOT PRO	146.00
						UTILITY CART	
	308	04/30/2020	04-27-20	AP	400-0402-770-6520	THE HOME DEPOT PRO	91.54
						HEAVY DUTY STEP DRILLS	
	308	04/30/2020	04-27-20	AP	400-0000-207-0458	GUENTHER SUPPLY, INC.	776.56
						VALVE ACTUATOR HYPO ROOM	
	308	04/30/2020	04-27-20	AP	400-0401-770-6420	NORTHERN LAKE SERVICE- IN	22.00
						LAB TEST	
	308	04/30/2020	04-27-20	AP	400-0402-770-6520	WAL-MART #2986	5.98
						BLEACH WIPES	
	308	04/30/2020	04-27-20	AP	400-0402-770-6510	IN *EPOXY CREATIONS, LLC	1,437.50
						FINAL PAY LAB FLOOR	
	308	04/30/2020	04-27-20	AP	400-0401-770-6420	IDEXX DISTRIBUTION INC	545.56
						LAB SUPPLIES	
	308	04/30/2020	04-27-20	AP	400-0401-770-6410	HAWKINS INC	937.86
						FLUORIDE	
	308	04/30/2020	04-27-20	AP	400-0402-770-6510	ROTO ROOTER	425.00
						DRAIN CLEANING	
	308	04/30/2020	04-27-20	AP	400-0401-770-6420	NORTHERN LAKE SERVICE- IN	82.00
						LAB TESTS	
	308	04/30/2020	04-27-20	AP	400-0401-770-6420	SP * YAMATHO SUPPLY LL	396.00
						LEAD SENSORS	
	308	04/30/2020	04-27-20	AP	400-0402-770-6510	HOMEDEPOT.COM	290.76
						BASE MOLDING LAB	
	308	04/30/2020	04-27-20	AP	400-0401-770-6650	CINTAS CORP	42.79
						MATS /MOPS TRTMNT	
	308	04/30/2020	04-27-20	AP	400-0401-770-6430	CINTAS CORP	42.78
						MATS/MOPS DISTRIBUTION	
	308	04/30/2020	04-27-20	AP	400-0402-770-6510	HOMEDEPOT.COM	35.75
						BASE MOLDING LAB	
						=====	
						CHECK TOTAL -	9,230.41

VENDOR NAME	CHECK #	CHECK DATE	INV#	TRANS		DESCRIPTION	TRANSACTION AMOUNT
				CODE	ACCOUNT NUMBER		
U S BANK	309	05/29/2020	05-12-20	AP	400-0402-770-6520	FASTENAL COMPANY 01WIAPP FASTENERS	63.43
	309	05/29/2020	05-12-20	AP	400-0402-770-6520	SENSOREX PH PROBES	1,140.05
	309	05/29/2020	05-12-20	AP	400-0000-207-0458	U.S. PLASTIC CORPORATION PIPE FITTINGS	190.89
	309	05/29/2020	05-12-20	AP	400-0402-770-6520	SUPERIOR CHEMICAL CORP MAINTENANCE CHEMICALS	599.40
	309	05/29/2020	05-12-20	AP	400-0401-770-6420	NORTHERN LAKE SERVICE- IN LAB TESTS	560.00
	309	05/29/2020	05-12-20	AP	400-0000-207-0458	GUENTHER SUPPLY, INC. VALVES & PIPE	538.63
	309	05/29/2020	05-12-20	AP	400-0402-770-6520	THE HOME DEPOT 4903 TOOLS AND VACUUM	209.08
	309	05/29/2020	05-12-20	AP	400-0401-770-6410	HAWKINS INC AQUA AMMONIA	754.45
	309	05/29/2020	05-12-20	AP	400-0401-770-6410	HAWKINS INC SODIUM PERMANGANATE	2,882.63
	309	05/29/2020	05-12-20	AP	400-0000-207-0458	WERNER ELECTRIC - APPLETO HYPO ROOM REHAB PARTS	718.92
	309	05/29/2020	05-12-20	AP	400-0401-770-6410	KEMIRA WATER SOLUTIONS FERRIC SULFATE	5,828.76
	309	05/29/2020	05-12-20	AP	400-0402-770-6520	IN *DRYDON EQUIPMENT INC. PUMP HOSES AND CONNECTORS	512.20
	309	05/29/2020	05-12-20	AP	400-0401-770-6420	THE UPS STORE #2376 SHIPPING LAB TESTS	10.32
	309	05/29/2020	05-12-20	AP	400-0401-770-6230	FERRELLGAS L P PROPANE CYLINDERS	98.59
	309	05/29/2020	05-12-20	AP	400-0402-770-6520	BP#8855082PUMP N MUNCH PREMIUM FUEL	26.90
	309	05/29/2020	05-12-20	AP	400-0401-770-6420	WI STATE HYGIENE LAB LAB TEST	26.00
	309	05/29/2020	05-12-20	AP	400-0402-770-6520	THE UPS STORE #2376 RTRN SHIPING WARRNTY SERV	60.00
	309	05/29/2020	05-12-20	AP	400-0401-770-9290	BP#8855082PUMP N MUNCH TRUCK FUEL	29.00
	309	05/29/2020	05-12-20	AP	400-0402-770-6750	CORE & MAIN LP 249 BRASS STOCK	4,941.00
	309	05/29/2020	05-12-20	AP	400-0401-770-9290	BP#6335921CECIL ST BP EX VAN FUEL	33.56
	309	05/29/2020	05-12-20	AP	400-0401-770-9290	EXXONMOBIL 99635542 TRUCK FUEL	39.00
	309	05/29/2020	05-12-20	AP	400-0401-770-9290	KRIST OIL 5* TRUCK FUEL	65.60
	309	05/29/2020	05-12-20	AP	400-0401-770-6650	HAENCO LLC COVID 19 PPE SANTIZ, SOAP	107.22
	309	05/29/2020	05-12-20	AP	400-0401-770-6650	AMZN MKTP US*8C6YQ90T3 DUTY PHONE CASE	14.99
	309	05/29/2020	05-12-20	AP	400-0401-770-6430	AMZN MKTP US*MY24U17F3 CHAIR WHEELS	39.99
	309	05/29/2020	05-12-20	AP	400-0402-770-6520	AMZN MKTP US*MY24U17F3 MAINT SUPPLIES	45.41

VENDOR NAME	CHECK #	CHECK DATE	INV#	TRANS		DESCRIPTION	TRANSACTION AMOUNT
				CODE	ACCOUNT NUMBER		
	309	05/29/2020	05-12-20	AP	400-0401-770-6650	AMZN MKTP US*MY24U17F3 METER SEAL WIRE	29.71
	309	05/29/2020	05-12-20	AP	400-0401-770-9210	AMZN MKTP US*MY24U17F3 OFFICE SUPPLIES	66.21
	309	05/29/2020	05-12-20	AP	400-0402-770-6520	AMZN MKTP US*U34FV1CB3 HVY DUTY ZIP TIES	19.99
	309	05/29/2020	05-12-20	AP	400-0401-770-9290	KRIST OIL 5* DIESEL TANK FUEL	150.00
	309	05/29/2020	05-12-20	AP	400-0401-770-9290	KRIST OIL 5* TRUCK FUEL	19.84
	309	05/29/2020	05-12-20	AP	400-0402-770-6520	PAYPAL *DIRECTMATER EBAY PRESSURE GAUGES	23.76
	309	05/29/2020	05-12-20	AP	400-0402-770-6520	AMZN MKTP US*2D14O2N23 AIR SUPPLY COUPLERS	21.86
	309	05/29/2020	05-12-20	AP	400-0401-770-9210	AMZN MKTP US*MC5RJ3BR1 HIGHLIGHTERS	14.99
	309	05/29/2020	05-12-20	AP	400-0402-770-6520	AMZN MKTP US*MC5RJ3BR1 DUCT TAPE	22.20
	309	05/29/2020	05-12-20	AP	400-0401-770-6430	AMZN MKTP US*MC5RJ3BR1 VACUUM	39.98
						CHECK TOTAL -	19,944.56
U S BANK	310	05/29/2020	05-25-20	AP	400-0000-207-0442	ENGINEERING CONSULTING S 808543/DENSITY TESTING-VA	617.25
	310	05/29/2020	05-25-20	AP	400-0000-207-0443	ENGINEERING CONSULTING S 808543/DENSITY TESTING-MO	617.25
	310	05/29/2020	05-25-20	AP	400-0000-207-0441	ENGINEERING CONSULTING S 808546/DENSITY TESTING-CE	567.70
	310	05/29/2020	05-25-20	AP	400-0000-207-0445	ENGINEERING CONSULTING S 808553/DENSITY TESTING-WM	1,000.00
	310	05/29/2020	05-25-20	AP	400-0401-770-6430	TDS METROCOM APR TDS PHONE	87.03
	310	05/29/2020	05-25-20	AP	400-0401-770-6630	TDS METROCOM APR TDS PHONE	4.14
	310	05/29/2020	05-25-20	AP	400-0401-770-6650	TDS METROCOM APR TDS PHONE	41.44
	310	05/29/2020	05-25-20	AP	400-0401-770-9030	TDS METROCOM APR TDS PHONE	5.67
	310	05/29/2020	05-25-20	AP	400-0401-770-9210	TDS METROCOM APR TDS PHONE	7.56
	310	05/29/2020	05-25-20	AP	400-0401-770-6260	USCC CALL CENTER CELL AIRTIME 3/22-4/21	17.57
	310	05/29/2020	05-25-20	AP	400-0401-770-6430	USCC CALL CENTER CELL AIRTIME 3/22-4/21	17.56
	310	05/29/2020	05-25-20	AP	400-0401-770-6620	USCC CALL CENTER CELL AIRTIME 3/22-4/21	77.81
	310	05/29/2020	05-25-20	AP	400-0401-770-6630	USCC CALL CENTER CELL AIRTIME 3/22-4/21	.32
	310	05/29/2020	05-25-20	AP	400-0401-770-6650	USCC CALL CENTER CELL AIRTIME 3/22-4/21	78.75
	310	05/29/2020	05-25-20	AP	400-0401-770-9020	USCC CALL CENTER CELL AIRTIME 3/22-4/21	.32

VENDOR NAME	CHECK #	CHECK DATE	TRANS INV#	CODE	ACCOUNT NUMBER	DESCRIPTION	TRANSACTION AMOUNT
	310	05/29/2020	05-25-20	AP	400-0401-770-6630	USCC CALL CENTER CELL AIRTIME 3/22-4/21	1.88
	310	05/29/2020	05-25-20	AP	400-0401-770-6650	USCC CALL CENTER CELL AIRTIME 3/22-4/21	1.86
	310	05/29/2020	05-25-20	AP	400-0000-207-0458	GUENTHER SUPPLY, INC. VALVES & PIPE	472.36
	310	05/29/2020	05-25-20	AP	400-0401-770-6420	CULLIGAN WATER CONDITIONI LAB WATER	43.00
	310	05/29/2020	05-25-20	AP	400-0402-770-6520	GRIFFIN FILTERS INC LIME FILTER BAGS	248.21
	310	05/29/2020	05-25-20	AP	400-0402-770-6510	HOMEDEPOT.COM COVE BASE	280.76
	310	05/29/2020	05-25-20	AP	400-0402-770-6510	HOMEDEPOT.COM SHIPPING	10.00
	310	05/29/2020	05-25-20	AP	400-0402-770-6510	HOMEDEPOT.COM LAB BASE MOLDING	384.28
	310	05/29/2020	05-25-20	AP	400-0401-770-6420	PACKER CITY SOFT WATER LL SOFTNER SALT	312.50
	310	05/29/2020	05-25-20	AP	400-0401-770-6420	NORTHERN LAKE SERVICE- IN INV# 377998 LAB TESTS	672.00
	310	05/29/2020	05-25-20	AP	400-0401-770-6420	NORTHERN LAKE SERVICE- IN INV# 378175 LAB TESTS	82.00
	310	05/29/2020	05-25-20	AP	400-0402-770-6520	THE UPS STORE #2376 SHIPPING WARRANTY SERVICE	60.00
	310	05/29/2020	05-25-20	AP	400-0401-770-6430	CINTAS CORP MATS & MOPS TREATMENT	42.78
	310	05/29/2020	05-25-20	AP	400-0401-770-6650	CINTAS CORP MATS & MOPS DISTRIBUTION	42.79
	310	05/29/2020	05-25-20	AP	400-0402-770-6520	HAWKINS INC RETRN SHIP PUMPS REPAIR	58.51
	310	05/29/2020	05-25-20	AP	400-0401-770-6650	MORTON SAFETY LLC COVID-19 PPE	248.00
	310	05/29/2020	05-25-20	AP	400-0401-770-6650	BLACKBURN MANUFACTURING LOCATE FLAGS	293.16
	310	05/29/2020	05-25-20	AP	400-0401-770-6650	LINCOLN CONTRACTORS SUPPL MEASURE TAPE/PAINT	420.91
	310	05/29/2020	05-25-20	AP	400-0401-770-9230	GRAEF GIS SERVICES THRU APRIL 4	911.20
	310	05/29/2020	05-25-20	AP	400-0401-770-6430	AMZN MKTP US*MC7SJ6D72 VOLUMETRIC FLASK	18.59
	310	05/29/2020	05-25-20	AP	400-0401-770-6430	AMZN MKTP US*M78871CE0 LAB LOG BOOK	17.95
	310	05/29/2020	05-25-20	AP	400-0402-770-6520	AMZN MKTP US*M78871CE0 TOOLS & FRAMING	68.28
	310	05/29/2020	05-25-20	AP	400-0401-770-6430	DSPS E SERVICE FEE COM PROCESS FEE RPZ RENEWAL	2.40
	310	05/29/2020	05-25-20	AP	400-0401-770-6430	DSPS EPAY 1SE RPZ RENEWAL FEE	120.00
	310	05/29/2020	05-25-20	AP	400-0401-770-6650	SUPPLYHOUSE.COM RPZ PARTS	38.99
	310	05/29/2020	05-25-20	AP	400-0402-770-6510	AMZN MKTP US*M78T551S1 LED LIGHTS	91.99
						CHECK TOTAL -	7,503.25
						GRAND TOTAL -	36,678.22



Neenah Water Utility

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Anthony L. Mach

Director of Neenah Water Utility

MEMORANDUM

DATE: June 11, 2020
TO: Waterworks Commission
FROM: Anthony L. Mach
RE: Discussion of Draft Lead and Galvanized Water Service Line Replacement Ordinance

Please find enclosed a revised Draft Lead and Galvanized Water Service Line Replacement Ordinance. I respectfully present this to you for your discussion and consideration. I believe the most appropriate path for an ordinance that affects the Water Utility is to present it to the Waterworks Commission for approval and recommendation to the Public Services and Safety Committee and Common Council.

Several cities in Wisconsin have enacted similar ordinances. As such, some of the language in this draft is modeled from other sources.

Discussion points:

1. The language in this ordinance maintains the cost burden of replacing a private service on the property owner.
2. Private service line replacements would only be required during a reconstruction event and only abutting properties would be affected. I believe this is the most appropriate method of ensuring replacement without creating an undue burden on property owners.
3. Water Utility staff have been diligent in documenting service line content. Thus, the identification requirements are not a problem.
4. If we continue to allow existing lead and galvanized services to be reconnected, we will continue to "orphan" these services for years to come.
5. The cost to replace a service line during a water main or service lateral reconstruction and in conjunction with a sanitary sewer pipe burst is approximately one-fourth (25%) of the cost to otherwise dig and replace a service line.
6. By enacting an ordinance of this type, we allow for future consideration for grants and loans offered by the DNR, EPA, and others.

This Ordinance is respectfully dedicated to Alderman and Mrs. Kunz. Their care and dedication to the citizens of Neenah shall always be remembered.

Staff recommend approving the Draft Lead and Galvanized Water Service Line Replacement Ordinance and recommending said ordinance to the Public Services and Safety Committee and Common Council.

Sec. XX-YY. - Lead and galvanized water service line replacement.

- (a) *Intent and purpose.* The Common Council and the Waterworks Commission of the City of Neenah finds that it is in the public interest to establish a comprehensive program for the removal and replacement of water service lines constructed of lead and galvanized materials which are in use within both the Neenah Water Utility water system and in private systems and, to that end, declares the purposes of this section to be as follows:
- (1) To help ensure that the water quality at every tap of every Neenah Water Utility customer meets the water quality standards specified under the state and federal law;
 - (2) To reduce the number of lead and galvanized water service lines in the City in order to meet the objectives of Neenah Water Utility, the Environmental Protection Agency (EPA), and the Wisconsin Department of Natural Resources;
 - (3) To further the goal of eliminating all lead contamination in City water service lines for the health of City residents;
 - (4) To meet the Wisconsin Department of Natural Resources requirements for local compliance with the EPA Lead and Copper Rule (40 CFR Part 141) and Wis. Admin. Code § NR 809.541–809.55.
- (b) *Water system reconstruction.*
- (1) *Inspection required.* At least sixty (60) days before the commencement of any utility water main or service line reconstruction project, the Director of Neenah Water Utility or a designee shall inspect all private connections to the public water main of abutting properties in order to determine service line content. Upon presentation of credentials, representatives from the utility shall have the right to request entry at any reasonable time to inspect any property served by the public water supply. If entry is refused, such representatives shall obtain a special inspection warrant under Wis. Stat. § 66.0119. In the event an inspection had been made previously, the utility shall determine the materials used in the construction of the private water service line from inspection records.
 - (2) *Notification required.* Prior to the reconstruction of the water main and service line system, the owner of each abutting property in which the private water service line is constructed of lead or galvanized pipe shall be given written notice of the project and requirement to replace the existing service. Such notice shall be made not less than sixty (60) days prior to commencement of the actual work.
 - (3) *Owner to replace private water service lines containing lead or galvanized pipe during water main or service line reconstruction.* The owner shall, at the owner's expense, replace any private service constructed of lead or galvanized pipe with a suitable alternative water service line material as allowable by current Wisconsin Plumbing Code. The Water Utility shall supply an appropriate connection point as part of the reconstruction.
 - (i) The City may, as part of any construction project, request unit bid prices for the calculation of the cost of making appropriate replacement to the private water service line. If available, and should the owner select this option, the owner will be charged the entire cost of replacing the private water service including costs to reconnect the service line inside the structure, any related plumbing work necessary to complete the internal connection, and any electrical re-grounding which may be required by current Wisconsin Electrical Code. The owner may elect to pay the entire amount upon completion of the work, or the owner may request to be billed in five annual installments or less plus interest pursuant to Sec. 13-2. Within thirty (30) days after the giving of notice of reconstruction under subsection (b)(1), proof of arrangements for replacement shall be provided by the owner to the Director of Neenah Water Utility or a designee.
 - (ii) The owner may elect to contract privately with a licensed contractor to complete the private service line replacement. All work needed to accomplish the replacement including the

entire cost of replacing the private water service including costs to reconnect the service line inside the structure, any related plumbing work necessary to complete the internal connection, and any electrical re-grounding which may be required by code shall be done at the expense of the owner. Within thirty (30) days after the giving of notice of reconstruction under subsection (b)(1), proof of arrangements for replacement shall be provided from the owner to the Director of Neenah Water Utility or a designee.

- (c) *Financing or assistance program.* The Water Utility may elect to offer a program pursuant to Wis. Stat. § 196.372 to provide financing or assistance for the replacement of lead or galvanized private water service lines. Any financial assistance offered must satisfy all of the following conditions:
- (1) Any loan provided may not be forgiven by the Utility or the City;
 - (2) Grants that are provided by the Water Utility are limited to no more than one-half of the total cost to the owner of replacing the lead service;
 - (3) The amount of financial assistance must be the same for each owner in a customer class, be it a fixed amount or a percentage of the replacement cost; and
 - (4) The financial assistance program must be approved by the Public Service Commission of Wisconsin.
- (d) *Authority to discontinue service.* As an alternative to any other methods provided for obtaining compliance with the requirements of this Code regarding replacement of lead or galvanized private water service lines, the Water Utility may discontinue water service to such property, but no sooner than 30 days after the giving of a written disconnection notice and an opportunity for hearing before the Neenah Waterworks Commission under Wis. Stat. ch. 68.



Neenah Water Utility

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Anthony L. Mach

Director of Neenah Water Utility

MEMORANDUM

DATE: May 25, 2020
TO: Waterworks Commission
FROM: Anthony L. Mach
RE: Request to Reimburse the Developer for the Cost to Oversize Water Main in the First Addition to Integrity Acres and Hold One-Half of the Costs of 10" Water Main and the added services along Honor Street

Integrity Construction (Developer) has installed public utilities west of the Integrity Way terminus; and subsequently north to a future street (Honor Street) to serve a new development (First Addition to Integrity Acres).

The Developer will be responsible for all costs associated with the installation of the water main, related appurtenances, and inspection fees associated with the project.

The Utility has requested the water main extending from the existing Integrity Way stub and commencing in a westerly direction 693 ± feet, then commencing north 955 ± feet be oversized to 16" in order to provide adequate service to any future City expansion to the north and west of the development. The estimated oversizing cost is \$55,832.00.

Water Main Oversizing from 10" to 16"	Quantity	Unit	Cost	Total
10" to 16" WM Oversizing	1648	LF	\$21.50	\$35,432.00
10" to 16" Valve Oversizing	4	EA	\$5,100.00	\$20,400.00
Total Oversizing Cost Estimate				\$55,832.00

In addition, the Developer is requesting that the Water Utility hold one-half of the cost of installing the 10" water main and services along the future street (Honor Street) as a deferred assessment against the properties to the west. The estimated cost to be held as a deferred assessment is \$30,959.30

10" Costs for Reimbursement	Quantity	Unit	Cost	Total
10" WM	1014.6	LF	\$41.00	\$41,589.60
10" Valve	3	EA	\$2,200.00	\$6,600.00
Total 10" Associated Estimated Costs				\$48,198.60
Total 10" Reimbursable Cost Estimate (1/2)				\$24,099.30
1-1/4" SDR 9 Water Service (7 x 36')	252	LF	\$15.00	\$3,780.00
1-1/4" Brass Set	7	EA	\$440.00	\$3,080.00
Total Services Reimbursable Cost Estimate				\$6,860.00

The location of the 16" water main extension is indicated below (in purple):



This is an important development corridor within the City and the water main oversizing will allow expansion to the north and west.

The actual reimbursement will be less any applicable inspection fees due the Water Utility.

Staff recommends reimbursing the Developer in the amount of \$86,791.30 less Water Utility inspection fees to oversize the water main in the First Addition to Integrity Acres, hold one-half of the costs of 10" of water main and seven (7) water services along Honor Street services as a deferred assessment.



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Anthony L. Mach

Director of Neenah Water Utility

MEMORANDUM

DATE: June 5, 2020
TO: Waterworks Commission
FROM: Anthony L. Mach
RE: Proposals for a Water Distribution Capacity and Growth Study

A local developer has proposed a very large residential development north of CTH G. Elevation increases abruptly to the north and west of the First Addition to Integrity Acres. Maintaining minimum service pressure and the need for a booster station are becoming challenges. There are also discussions in progress regarding serving areas northwest of the city.

In order to plan for future growth, we issued an RFP for a Capacity and Growth Study on April 9, 2020. Responses were received on May 22, 2020 and subsequently reviewed by staff. Strand Associates of Madison offered the best mix of capabilities and cost. For these services, Strand Associates has proposed a lump sum fee of \$19,500.00.

Additionally, the water modeling software and model we use is woefully out of date and node limited. In order to completely rebuild and recalibrate a model for the entire system to enable steady-state and extended period simulations, Strand Associates has proposed a net fee of \$12,500.00. We will own the model and any future updates or simulations can be performed any responsible firm that possesses the appropriate software on a time-and-materials basis. There would be no software for us to buy or maintain.

This study and modeling data will allow us to:

- Plan for future expansion of the system to the west and northwest
- Determine which areas of the city require maintenance and / or attention
- Better plan for future CIP needs
- Assist future developers in the city with modeled fire flows and capacity

Money budgeted for this study will come from the Outside Services budget. No action is necessary unless you determine otherwise.

Director's Report
June 15, 2020

1. The Water Loss Report is attached.
2. Contract 9-20 HMA Pavement Repair has been awarded to MCC, Inc. of Appleton, WI. The estimated portion of the contract applicable to the Water Utility is \$33,344.44 (33%).
3. Contract 10-20 Concrete Pavement and Sidewalk Repair has been awarded to Sommers Construction Company, Inc. of Shiocton, WI. The estimated portion of the contract applicable to the Water Utility is \$18,973.00 (9%).
4. Contract 4-20, Water Main and Concrete Street Construction on Green Bay Road, Tullar Road, and Marathon Avenue has been awarded to Vinton Construction Company of Manitowoc, WI. The estimated portion of the contract applicable to the Water utility is \$287,667.00 (23%).
5. Construction update.
6. The next Water Commission Meeting is scheduled for July 20, 2020.

**NEENAH WATER UTILITY
PRODUCTION/UNBILLED WATER REPORT**

**THREE MONTH TOTALS
(1000 GALLONS)**

USAGE PERIOD	RAW WATER	FINISHED WATER	BILLED WATER	WATER LOSS ACCOUNTED	WATER LOSS UNACCOUNTED
CURRENT THREE MONTHS (Feb, Mar, Apr)	252,410	246,060	207,724	10,126	28,210
MOST RECENT THREE MONTHS (Jan, Feb, Mar)	258,090	251,170	214,147	9,251	27,772
1 YEAR AGO (Feb, Mar, Apr)	260,950	252,760	217,300	22,808	12,652

NOTES:

Raw water is the total amount of raw water withdrawn from Lake Winnebago / Fox River during the indicated period.

Finished water is the total amount of water entering the distribution system during the indicated period

Billed water is the total usage during the indicated period.

Water loss accounted includes internal plant usage, estimated loss from known main breaks and service leaks, and hydrant flushing.

Water loss unaccounted is calculated by subtracting the billed water and water loss accounted from the finished water.

**DAILY AVERAGE
(MGD)**

USAGE PERIOD	RAW WATER	FINISHED WATER
Apr, 2020	2.73	2.66
Mar, 2020	2.81	2.74
Apr, 2019	2.92	2.82

CITY OF NEENAH

Bid Tab for Contract 9-20

HMA Pavement Repair

May 13, 2020 10:00 AM

<i>DESCRIPTION</i>	<i>APPROXIMATE QUANTITY</i>	<i>Units of Measure</i>	MCC, Inc.		Northeast Asphalt, Inc	
			<i>Total</i>	\$83,881.30	<i>Total</i>	\$125,345.00
			<i>Unit Price</i>	<i>Cost</i>	<i>Unit Price</i>	<i>Cost</i>
Unclassified excav. (var. loc.)	25	Cu. Yd.	\$183.50	\$4,587.50	\$37.00	\$925.00
Crushed aggregate base course	50	Ton	\$66.00	\$3,300.00	\$25.50	\$1,275.00
HMA Pavement Repair	400	Ton	\$127.50	\$51,000.00	\$145.00	\$58,000.00
Street repair preparation	1,750	Sq. Yd.	\$10.60	\$18,550.00	\$26.10	\$45,675.00
Adjust Manhole (w/ Slurry backfill)	8	Each	\$603.60	\$4,828.80	\$895.00	\$7,160.00
Traffic control	1	L.S.	\$1,615.00	\$1,615.00	\$12,310.00	\$12,310.00
TOTAL				\$83,881.30		\$125,345.00

CITY OF NEENAH

Bid Tab for Contract 10-20

Replacement Sidewalk Construction and

Concrete Pavement Patch

May 13, 2020 10:00AM

DESCRIPTION	APPROXIMATE QUANTITY	Units of Measure	Sommers Construction Company, Inc.		Fischer Ulman Construction Inc.		Jim Fischer, Inc.		Al Dix Concrete, Inc.	
			Total	\$204,150.00	Total	\$222,300.00	Total	\$239,175.00	Total	\$265,050.00
			Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	Unit Price	Cost
Concrete Sidewalk / Driveway Apron Removal	15,000	Sq. Ft.	\$1.15	\$17,250.00	\$1.30	\$19,500.00	\$1.50	\$22,500.00	\$2.00	\$30,000.00
Concrete Curb and Gutter Removal	1,000	Lin. Ft.	\$8.00	\$8,000.00	\$6.00	\$6,000.00	\$5.00	\$5,000.00	\$5.00	\$5,000.00
Furnish and Install 4" Concrete Sidewalk	12,500	Sq. Ft.	\$5.65	\$70,625.00	\$5.15	\$64,375.00	\$6.00	\$75,000.00	\$5.85	\$73,125.00
Furnish and Install 6" Concrete Sidewalk & Driveway	2,500	Sq. Ft.	\$6.75	\$16,875.00	\$5.35	\$13,375.00	\$6.75	\$16,875.00	\$6.85	\$17,125.00
Furnish and Install Concrete Curb & Gutter	1,000	Lin. Ft.	\$30.00	\$30,000.00	\$40.50	\$40,500.00	\$50.00	\$50,000.00	\$60.00	\$60,000.00
8" Concrete Pavement Repair	150	Sq. Yds.	\$77.00	\$11,550.00	\$75.00	\$11,250.00	\$75.00	\$11,250.00	\$85.00	\$12,750.00
8" Concrete Pavement Repair HES (7 bag)	25	Sq. Yds.	\$77.00	\$1,925.00	\$76.00	\$1,900.00	\$100.00	\$2,500.00	\$90.00	\$2,250.00
8" Concrete Pavement Repair HES (9 bag)	25	Sq. Yds.	\$77.00	\$1,925.00	\$88.00	\$2,200.00	\$110.00	\$2,750.00	\$100.00	\$2,500.00
Full Depth Saw Cut (concrete pavement)	500	Lin. Ft.	\$3.00	\$1,500.00	\$5.00	\$2,500.00	\$5.00	\$2,500.00	\$4.00	\$2,000.00
Furnish and Install Drilled Tie Bars	200	Each	\$7.00	\$1,400.00	\$8.00	\$1,600.00	\$7.00	\$1,400.00	\$10.00	\$2,000.00
Furnish and Install Drilled Dowel Bars	200	Each	\$14.00	\$2,800.00	\$13.00	\$2,600.00	\$12.00	\$2,400.00	\$14.00	\$2,800.00
Furnish and Install Cross Stitch	25	Each	\$42.00	\$1,050.00	\$40.00	\$1,000.00	\$30.00	\$750.00	\$50.00	\$1,250.00
1/2 inch rods (in place)	500	Lin. Ft.	\$1.50	\$750.00	\$1.75	\$875.00	\$1.00	\$500.00	\$2.00	\$1,000.00
Adjust Catch Basin	50	Each	\$350.00	\$17,500.00	\$425.00	\$21,250.00	\$400.00	\$20,000.00	\$500.00	\$25,000.00
Adjust Manholes	10	Each	\$400.00	\$4,000.00	\$425.00	\$4,250.00	\$400.00	\$4,000.00	\$500.00	\$5,000.00
Install Detectable Warning Field (Supplied by City)	25	Each	\$50.00	\$1,250.00	\$55.00	\$1,375.00	\$50.00	\$1,250.00	\$50.00	\$1,250.00
Route and seal existing crack	100	Lin. Ft.	\$5.00	\$500.00	\$7.50	\$750.00	\$10.00	\$1,000.00	\$10.00	\$1,000.00
Terracing, Seed, Mulch, Fertilizing	500	Sq. Yds.	\$10.00	\$5,000.00	\$10.00	\$5,000.00	\$15.00	\$7,500.00	\$12.00	\$6,000.00
Traffic Control	1	L.S.	\$10,250.00	\$10,250.00	\$22,000.00	\$22,000.00	\$12,000.00	\$12,000.00	\$15,000.00	\$15,000.00
TOTAL				\$204,150.00		\$222,300.00		\$239,175.00		\$265,050.00

Bid Tab for Contract 4-20
Water Main and Concrete Street Construction on
Green Bay Road, Tullar Road, and Marathon Avenue
Wednesday, April 8, 2020 9:00AM

DESCRIPTION	APPROXIMATE QUANTITY	Vinton Construction		Advance Construction		Dorner, Inc		Jossart Brothers, Inc.		Superior Sewr and Water Inc.		Van Straten, Inc.		Robert J. Immel Excavating, Inc.		Kruczek, Inc		
		Total	\$1,237,337.88	Total	\$1,284,027.06	Total	\$1,314,570.40	Total	\$1,326,287.42	Total	\$1,327,383.53	Total	\$1,350,045.00	Total	\$1,359,347.87	Total	\$1,433,007.60	
		Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	
Part 1 -Green Bay Road																		
1. Furnish & install 16-inch PVC C-900 water main	1,550 Lin. Ft.	\$135.00	\$209,250.00	\$104.60	\$162,130.00	\$125.00	\$193,750.00	\$105.00	\$162,750.00	\$133.00	\$206,150.00	\$145.00	\$224,750.00	\$135.50	\$210,025.00	\$146.00	\$226,300.00	
2. Furnish & install 8-inch PVC C-900 water main	40 Lin. Ft.	\$180.00	\$7,200.00	\$450.00	\$18,000.00	\$125.00	\$5,000.00	\$100.00	\$4,000.00	\$110.00	\$4,400.00	\$145.00	\$5,800.00	\$159.00	\$6,360.00	\$156.00	\$6,240.00	
3. Furnish & install 16-inch valve w/ box	2 Each	\$6,864.00	\$13,728.00	\$6,874.00	\$13,748.00	\$7,410.00	\$14,820.00	\$7,750.00	\$15,500.00	\$7,128.00	\$14,256.00	\$8,000.00	\$16,000.00	\$7,300.00	\$14,600.00	\$8,250.00	\$16,500.00	
4. Furnish & install 8-inch valve w/ box	1 Each	\$1,783.00	\$1,783.00	\$1,593.00	\$1,593.00	\$1,727.00	\$1,727.00	\$1,800.00	\$1,800.00	\$1,755.00	\$1,755.00	\$2,500.00	\$2,500.00	\$1,800.00	\$1,800.00	\$1,800.00	\$1,800.00	
5. Reconnect existing service to proposed water main	1 Each	\$2,150.00	\$2,150.00	\$7,000.00	\$7,000.00	\$3,383.00	\$3,383.00	\$4,500.00	\$4,500.00	\$3,325.00	\$3,325.00	\$10,000.00	\$10,000.00	\$7,500.00	\$7,500.00	\$4,800.00	\$4,800.00	
6. Furnish & install 1-inch service brass set	1 Each	\$1,270.00	\$1,270.00	\$669.00	\$669.00	\$685.00	\$685.00	\$480.00	\$480.00	\$630.00	\$630.00	\$6,000.00	\$6,000.00	\$1,300.00	\$1,300.00	\$525.00	\$525.00	
7. Furnish & install 1.25-inch service brass set	1 Each	\$1,371.00	\$1,371.00	\$770.00	\$770.00	\$793.00	\$793.00	\$600.00	\$600.00	\$630.00	\$630.00	\$6,000.00	\$6,000.00	\$1,410.00	\$1,410.00	\$640.00	\$640.00	
8. Furnish & install 2-inch service brass set	1 Each	\$1,864.00	\$1,864.00	\$1,413.00	\$1,413.00	\$1,328.00	\$1,328.00	\$1,175.00	\$1,175.00	\$1,000.00	\$1,000.00	\$6,000.00	\$6,000.00	\$2,200.00	\$2,200.00	\$1,225.00	\$1,225.00	
9. Furnish & install 1.25-inch PE water service in ROW	200 Lin. Ft.	\$68.00	\$13,600.00	\$76.40	\$15,280.00	\$62.00	\$12,400.00	\$50.00	\$10,000.00	\$70.00	\$14,000.00	\$70.00	\$14,000.00	\$87.20	\$17,440.00	\$100.00	\$20,000.00	
10. Furnish & install 2-inch PE water service in ROW	200 Lin. Ft.	\$68.00	\$13,600.00	\$77.25	\$15,450.00	\$62.00	\$12,400.00	\$55.00	\$11,000.00	\$71.00	\$14,200.00	\$70.00	\$14,000.00	\$95.25	\$19,050.00	\$100.00	\$20,000.00	
11. Furnish & install cathodic protection to water service	1 Each	\$111.00	\$111.00	\$46.00	\$46.00	\$74.00	\$74.00	\$150.00	\$150.00	\$35.00	\$35.00	\$250.00	\$250.00	\$175.00	\$175.00	\$115.00	\$115.00	
12. Furnish & install service from ROW to house by pulling / dir	100 Lin. Ft.	\$38.00	\$3,800.00	\$38.00	\$3,800.00	\$40.00	\$4,000.00	\$40.00	\$4,000.00	\$38.00	\$3,800.00	\$49.00	\$4,900.00	\$45.00	\$4,500.00	\$40.00	\$4,000.00	
13. Water service connection to structure	2 Each	\$400.00	\$800.00	\$400.00	\$800.00	\$422.00	\$844.00	\$450.00	\$900.00	\$350.00	\$700.00	\$800.00	\$1,600.00	\$450.00	\$900.00	\$428.00	\$856.00	
14. Water service extra hole (curb stop connection)	1 Each	\$500.00	\$500.00	\$500.00	\$500.00	\$528.00	\$528.00	\$550.00	\$550.00	\$190.00	\$190.00	\$800.00	\$800.00	\$550.00	\$550.00	\$535.00	\$535.00	
15. Furnish & install hydrant, lead and valve	2 Each	\$7,320.00	\$14,640.00	\$7,271.00	\$14,542.00	\$5,714.00	\$11,428.00	\$6,250.00	\$12,500.00	\$5,800.00	\$11,600.00	\$7,500.00	\$15,000.00	\$8,050.00	\$16,100.00	\$6,200.00	\$12,400.00	
16. Abandon hydrant	2 Each	\$425.00	\$850.00	\$500.00	\$1,000.00	\$346.00	\$692.00	\$300.00	\$600.00	\$300.00	\$600.00	\$500.00	\$1,000.00	\$520.00	\$1,040.00	\$525.00	\$1,050.00	
17. Abandon Valve manhole	2 Each	\$450.00	\$900.00	\$500.00	\$1,000.00	\$392.00	\$784.00	\$400.00	\$800.00	\$300.00	\$600.00	\$500.00	\$1,000.00	\$870.00	\$1,740.00	\$760.00	\$1,520.00	
18. Abandon Valve Box	1 Each	\$250.00	\$250.00	\$100.00	\$100.00	\$161.00	\$161.00	\$100.00	\$100.00	\$200.00	\$200.00	\$500.00	\$500.00	\$375.00	\$375.00	\$200.00	\$200.00	
Part 1.A. Water Main Total			\$287,667.00		\$257,841.00		\$264,797.00		\$231,405.00		\$278,071.00		\$330,100.00		\$307,315.00		\$318,706.00	
B. Sewer			\$0.00															
1. pipeburst 6-inch sanitary sewer lateral	160 Lin. Ft.	\$30.00	\$4,800.00	\$30.00	\$4,800.00	\$32.00	\$5,120.00	\$32.00	\$5,120.00	\$88.00	\$14,080.00	\$100.00	\$16,000.00	\$32.00	\$5,120.00	\$33.50	\$5,360.00	
2. adjust sewer manhole	2 Each	\$300.00	\$600.00	\$500.00	\$1,000.00	\$455.00	\$910.00	\$400.00	\$800.00	\$550.00	\$1,100.00	\$700.00	\$1,400.00	\$300.00	\$600.00	\$615.00	\$1,230.00	
3. adjust sewer catch basin	8 Each	\$300.00	\$2,400.00	\$700.00	\$5,600.00	\$455.00	\$3,640.00	\$525.00	\$4,200.00	\$400.00	\$3,200.00	\$700.00	\$5,600.00	\$300.00	\$2,400.00	\$615.00	\$4,920.00	
Part 1.B. Sewer Total			\$7,800.00		\$11,400.00		\$9,670.00		\$10,120.00		\$18,380.00		\$23,000.00		\$8,120.00		\$11,510.00	
C. Street																		
1. Saw asphalt pavement	40 Lin. Ft.	\$3.00	\$120.00	\$2.10	\$84.00	\$3.00	\$120.00	\$2.10	\$84.00	\$3.00	\$120.00	\$5.00	\$200.00	\$2.10	\$84.00	\$5.00	\$200.00	
2. Saw concrete pavement	300 Lin. Ft.	\$3.00	\$900.00	\$4.20	\$1,260.00	\$4.00	\$1,200.00	\$4.20	\$1,260.00	\$4.20	\$1,260.00	\$4.00	\$1,200.00	\$4.20	\$1,260.00	\$5.00	\$1,500.00	
3. Remove concrete pavement	7,400 Sq. Yd.	\$1.01	\$7,400.00	\$4.88	\$36,112.00	\$4.90	\$36,260.00	\$4.90	\$36,260.00	\$5.00	\$37,000.00	\$5.00	\$37,000.00	\$4.90	\$36,260.00	\$5.00	\$37,000.00	
4. Remove concrete curb and gutter	50 Sq. Yd.	\$0.00	\$0.50	\$12.60	\$630.00	\$12.70	\$635.00	\$12.60	\$630.00	\$12.75	\$637.50	\$12.00	\$600.00	\$12.60	\$630.00	\$13.00	\$650.00	
5. Remove concrete sidewalk/driveway apron	5,000 Sq. Ft.	\$0.50	\$2,500.00	\$0.89	\$4,450.00	\$0.90	\$4,500.00	\$0.90	\$4,500.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00	\$0.90	\$4,500.00	\$1.00	\$5,000.00	
6. Unclassified Excavation	5,000 Cu. Yd.	\$10.37	\$51,850.00	\$12.55	\$62,750.00	\$12.60	\$63,000.00	\$12.55	\$62,750.00	\$12.75	\$63,750.00	\$12.00	\$60,000.00	\$12.55	\$62,750.00	\$12.85	\$64,250.00	
7. Furnish and install geogrid	7,300 Sq. Yd.	\$1.75	\$12,775.00	\$1.94	\$14,162.00	\$2.00	\$14,600.00	\$1.95	\$14,235.00	\$2.00	\$14,600.00	\$2.00	\$14,600.00	\$1.95	\$14,235.00	\$2.00	\$14,600.00	
8. Furnish and install crushed aggregate base	6,000 Ton	\$11.40	\$68,400.00	\$11.97	\$71,820.00	\$12.00	\$72,000.00	\$12.00	\$72,000.00	\$12.15	\$72,900.00	\$11.50	\$69,000.00	\$11.97	\$71,820.00	\$12.20	\$73,200.00	
9. Furnish and install 9-inch concrete pavement	7,200 Sq. Yd.	\$42.95	\$309,240.00	\$44.05	\$317,160.00	\$44.30	\$318,960.00	\$44.10	\$317,520.00	\$44.00	\$316,800.00	\$42.00	\$302,400.00	\$44.05	\$317,160.00	\$45.00	\$324,000.00	
10. Furnish and install 9-inch concrete pavement repair	200 Sq. Yd.	\$65.00	\$13,000.00	\$62.06	\$12,412.00	\$62.40	\$12,480.00	\$62.00	\$12,400.00	\$63.00	\$12,600.00	\$60.00	\$12,000.00	\$62.05	\$12,410.00	\$64.00	\$12,800.00	
11. Furnish and install 4-inch concrete sidewalk	1,000 Sq. Ft.	\$6.00	\$6,000.00	\$5.62	\$5,620.00	\$5.60	\$5,600.00	\$5.65	\$5,650.00	\$6.00	\$6,000.00	\$6.00	\$6,000.00	\$5.65	\$5,650.00	\$5.75	\$5,750.00	
12. Furnish and install 6-inch concrete sidewalk / driveway apron	500 Sq. Ft.	\$5.55	\$2,775.00	\$5.78	\$2,890.00	\$5.80	\$2,900.00	\$5.80	\$2,900.00	\$6.00	\$3,000.00	\$6.00	\$3,000.00	\$5.80	\$2,900.00	\$6.00	\$3,000.00	
13. Furnish and install 8-inch concrete sidewalk / driveway apron	3,500 Sq. Ft.	\$6.15	\$21,525.00	\$6.83	\$23,905.00	\$6.90	\$24,150.00	\$6.85	\$23,975.00	\$7.00	\$24,500.00	\$7.00	\$24,500.00	\$6.85	\$23,975.00	\$7.00	\$24,500.00	
14. Furnish and install concrete curb and gutter	50 Lin. Ft.	\$35.00	\$1,750.00	\$47.25	\$2,362.50	\$47.50	\$2,375.00	\$47.30	\$2,365.00	\$48.00	\$2,400.00	\$45.00	\$2,250.00	\$47.25	\$2,362.50	\$48.00	\$2,400.00	
15. Furnish and install HMA pavement (4-inch)	50 Sq. Yd.	\$65.00	\$3,282.50	\$40.00	\$2,000.00	\$110.90	\$5,545.00	\$70.00	\$3,500.00	\$106.00	\$5,300.00	\$125.00	\$6,250.00	\$92.80	\$4,640.00	\$110.00	\$5,500.00	
18. Terracing, fertilize, seed & hydromulch	2,500 Sq. Yd.	\$7.35	\$18,375.00	\$12.39	\$30,975.00	\$10.60	\$26,500.00	\$12.00	\$30,000.00	\$10.00	\$25,000.00	\$8.00	\$20,000.00	\$7.50	\$18,750.00	\$10.00	\$25,000.00	
19. Install and Maintain Traffic Control	1 Lump Sum	\$500.00	\$500.00	\$6,825.00	\$6,825.00	\$9,818.00	\$9,818.00	\$50,000.00	\$50,000.00	\$4,500.00	\$4,500.00	\$10,000.00	\$10,000.00	\$19,750.00	\$19,750.00	\$79,000.00	\$79,000.00	
Part 1.C. Street Total			\$520,393.00		\$595,417.50		\$600,643.00		\$640,029.00		\$595,367.50		\$574,000.00		\$599,136.50		\$678,400.00	
TOTAL Part 1			\$815,860.00		\$864,658.50		\$875,110.00		\$881,554.00		\$891,818.50		\$927,100.00		\$914,571.50		\$1,008,616.00	
Part 2 -Tullar Road and Marathon Avenue																		
A. Street																		
1. Diamond grind concrete pavement	22,500 Sq. Yd.	\$7.67	\$172,575.00	\$8.05	\$181,125.00	\$9.40	\$211,500.00	\$8.05	\$181,125.00	\$8.88	\$199,800.00	\$8.75	\$196,875.00	\$8.65	\$194,625.00	\$8.25	\$185,625.00	
2. saw concrete pavement	1,000 Lin. Ft.	\$2.00	\$2,000.00	\$3.15	\$3,150.00	\$2.90	\$2,900.00	\$3.15	\$3,150.00	\$3.20	\$3,200.00	\$3.00	\$3,000.00	\$3.15	\$3,150.00	\$3.25	\$3,250.00	
3. 8-inch concrete pavement repair (Full Depth)	750 Sq. Yd.	\$61.60	\$46,200.00	\$62.06	\$46,545.00	\$62.40	\$46,800.00	\$62.10	\$46,575.00	\$63.00	\$47,250.00	\$60.00	\$45,000.00	\$62.05	\$46,537.50	\$64.00	\$48,000.00	
4. Furnish and install drilled dowel bar	500 Each	\$12.00	\$6,000.00	\$12.60	\$6,300.00	\$12.70	\$6,350.00	\$12.60	\$6,300.00	\$13.00	\$6,500.00	\$12.00	\$6,000.00	\$12.60	\$6,300.00	\$12.85	\$6,425.00	
5. Furnish and install drilled tie bar	100 Each	\$7.00	\$700.00	\$7.35	\$735.00	\$7.40	\$740.00	\$7.35	\$735.00	\$7.50	\$750.00	\$7.00	\$700.00	\$7.35	\$735.00	\$7.50	\$750.00	
7. Partial depth repair	1,500 Lin. Ft.	\$45.00	\$67,500.00	\$39.90	\$59,850.00	\$40.10	\$60,150.00	\$40.00	\$60,000.00	\$40.50	\$60,750.00							

DESCRIPTION	APPROXIMATE QUANTITY	Vinton Construction		Advance Construction		Dorner, Inc		Jossart Brothers, Inc.		Superior Sewr and Water Inc.		Van Straten, Inc.		Robert J. Immel Excavating, Inc.		Kruczek, Inc	
		Total	\$1,237,337.88	Total	\$1,284,027.06	Total	\$1,314,570.40	Total	\$1,326,287.42	Total	\$1,327,383.53	Total	\$1,350,045.00	Total	\$1,359,347.87	Total	\$1,433,007.60
		Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	Unit Price	Cost
8. Full depth adjustment	300 Lin. Ft.	\$60.00	\$18,000.00	\$42.00	\$12,600.00	\$42.20	\$12,660.00	\$42.00	\$12,600.00	\$42.60	\$12,780.00	\$40.00	\$12,000.00	\$42.00	\$12,600.00	\$40.00	\$12,000.00
9. Adjust catch basin	1 Each	\$300.00	\$300.00	\$525.00	\$525.00	\$798.30	\$798.30	\$525.00	\$525.00	\$5,550.00	\$5,550.00	\$750.00	\$750.00	\$525.00	\$525.00	\$800.00	\$800.00
10. Clean and seal concrete pavement joints (Tullar Road)	30,000 Lin. Ft.	\$1.50	\$45,000.00	\$0.89	\$26,700.00	\$0.90	\$27,000.00	\$0.90	\$27,000.00	\$0.90	\$27,000.00	\$1.00	\$30,000.00	\$0.90	\$27,000.00	\$0.90	\$27,000.00
11. Furnish, Install, and Maintain Traffic control	1 L.S.	\$12,500.00	\$12,500.00	\$24,669.75	\$24,669.75	\$14,279.00	\$14,279.00	\$50,000.00	\$50,000.00	\$14,500.00	\$14,500.00	\$10,000.00	\$10,000.00	\$36,715.00	\$36,715.00	\$9,600.00	\$9,600.00
Part 2.A. Street Total			\$370,775.00		\$362,199.75		\$383,177.30		\$388,010.00		\$378,080.00		\$364,325.00		\$388,187.50		\$353,450.00
B. Epoxy Pavement Markings																	
1. Long Line 4-Inch	11,533 Lin. Ft.	\$0.56	\$6,458.48	\$0.89	\$10,264.37	\$0.80	\$9,226.40	\$0.84	\$9,687.72	\$0.85	\$9,803.05	\$1.00	\$11,533.00	\$0.84	\$9,687.72	\$1.40	\$16,146.20
2. Long Line 6-Inch	13,936 Lin. Ft.	\$0.65	\$9,058.40	\$1.00	\$13,936.00	\$1.00	\$13,936.00	\$1.00	\$13,936.00	\$1.02	\$14,214.72	\$1.00	\$13,936.00	\$1.00	\$13,936.00	\$1.50	\$20,904.00
3. Long Line 8-Inch	594 Lin. Ft.	\$2.00	\$1,188.00	\$1.21	\$718.74	\$1.20	\$712.80	\$1.20	\$712.80	\$1.22	\$724.68	\$1.00	\$594.00	\$1.20	\$712.80	\$2.70	\$1,603.80
4. Stop Line 24-Inch	48 Lin. Ft.	\$20.00	\$960.00	\$13.23	\$635.04	\$13.30	\$638.40	\$13.25	\$636.00	\$13.45	\$645.60	\$13.00	\$624.00	\$13.25	\$636.00	\$17.70	\$849.60
5. Crosswalk 6-Inch	598 Lin. Ft.	\$10.00	\$5,980.00	\$7.88	\$4,712.24	\$7.90	\$4,724.20	\$7.90	\$4,724.20	\$8.00	\$4,784.00	\$8.00	\$4,784.00	\$7.85	\$4,694.30	\$12.00	\$7,176.00
6. Crosswalk 12-Inch	381 Lin. Ft.	\$14.00	\$5,334.00	\$10.24	\$3,901.44	\$10.30	\$3,924.30	\$10.25	\$3,905.25	\$10.38	\$3,954.78	\$10.00	\$3,810.00	\$10.25	\$3,905.25	\$15.00	\$5,715.00
7. Crosswalk 24-Inch	340 Lin. Ft.	\$20.00	\$6,800.00	\$13.23	\$4,498.20	\$13.30	\$4,522.00	\$13.25	\$4,505.00	\$13.42	\$4,562.80	\$13.00	\$4,420.00	\$13.20	\$4,488.00	\$18.00	\$6,120.00
8. Diagonal Line 8-Inch	35 Lin. Ft.	\$12.00	\$420.00	\$8.51	\$297.85	\$8.60	\$301.00	\$8.50	\$297.50	\$9.00	\$315.00	\$8.00	\$280.00	\$8.50	\$297.50	\$7.65	\$267.75
9. Diagonal Line 12-Inch	221 Lin. Ft.	\$14.00	\$3,094.00	\$10.24	\$2,263.04	\$10.30	\$2,276.30	\$10.25	\$2,265.25	\$10.40	\$2,298.40	\$10.00	\$2,210.00	\$10.25	\$2,265.25	\$8.25	\$1,823.25
10. Parking Stall Line 6-Inch	53 Lin. Ft.	\$50.00	\$2,650.00	\$7.88	\$417.64	\$7.90	\$418.70	\$7.90	\$418.70	\$8.00	\$424.00	\$8.00	\$424.00	\$7.85	\$416.05	\$9.00	\$477.00
11. Arrow, Type 2	23 Each	\$200.00	\$4,600.00	\$288.75	\$6,641.25	\$290.00	\$6,670.00	\$290.00	\$6,670.00	\$293.00	\$6,739.00	\$295.00	\$6,785.00	\$290.00	\$6,670.00	\$215.00	\$4,945.00
12. Arrow, Type 3	2 Each	\$250.00	\$500.00	\$378.00	\$756.00	\$380.00	\$760.00	\$380.00	\$760.00	\$385.00	\$770.00	\$380.00	\$760.00	\$380.00	\$760.00	\$267.00	\$534.00
13. Arrow, Type 3R	2 Each	\$300.00	\$600.00	\$404.25	\$808.50	\$406.00	\$812.00	\$405.00	\$810.00	\$410.00	\$820.00	\$405.00	\$810.00	\$405.00	\$810.00	\$320.00	\$640.00
14. Arrow, Bike Lane	17 Each	\$90.00	\$1,530.00	\$183.75	\$3,123.75	\$185.00	\$3,145.00	\$185.00	\$3,145.00	\$187.00	\$3,179.00	\$195.00	\$3,315.00	\$185.00	\$3,145.00	\$110.00	\$1,870.00
15. Symbol, Bike Lane	17 Each	\$90.00	\$1,530.00	\$246.75	\$4,194.75	\$248.00	\$4,216.00	\$250.00	\$4,250.00	\$250.00	\$4,250.00	\$255.00	\$4,335.00	\$245.00	\$4,165.00	\$110.00	\$1,870.00
16. Roundabout Line 18-Inch	0 Lin. Ft.	\$20.00	\$0.00	\$12.29	\$0.00	\$12.00	\$0.00	\$12.50	\$0.00	\$12.00	\$0.00	\$15.00	\$0.00	\$12.50	\$0.00	\$150.00	\$0.00
17. Removal, 4-Inch Line	0 Lin. Ft.	\$1.00	\$0.00	\$3.68	\$0.00	\$4.00	\$0.00	\$4.00	\$0.00	\$4.00	\$0.00	\$10.00	\$0.00	\$3.75	\$0.00	\$195.83	\$0.00
18. Removal, Special Marking	0 Each	\$205.00	\$0.00	\$262.50	\$0.00	\$264.00	\$0.00	\$275.00	\$0.00	\$255.00	\$0.00	\$500.00	\$0.00	\$275.00	\$0.00	\$80.00	\$0.00
Part 2.B. Pavement Markings Total			\$50,702.88		\$57,168.81		\$56,283.10		\$56,723.42		\$57,485.03		\$58,620.00		\$56,588.87		\$70,941.60
TOTAL Part 2			\$421,477.88		\$419,368.56		\$439,460.40		\$444,733.42		\$435,565.03		\$422,945.00		\$444,776.37		\$424,391.60
TOTAL Parts 1 and 2			\$1,237,337.88		\$1,284,027.06		\$1,314,570.40		\$1,326,287.42		\$1,327,383.53		\$1,350,045.00		\$1,359,347.87		\$1,433,007.60