



AGENDA ITEM EXECUTIVE SUMMARY

Agenda Item:	Change Order #1 for the Route 25 Water Main Project		
Presenter & Title:	Richard Babica, Director of Public Works		
Date:	February 5, 2024		
Please Check Appropriate Box:			
	Committee of the Whole Meeting		Special Committee of the Whole Meeting
X	City Council Meeting		Special City Council Meeting
	Public Hearing		Other -
Associated Strategic Plan Goal/Objective: EMS-II			
Estimated Cost: \$172,476.20	Budgeted? <input type="checkbox"/> Yes <input type="checkbox"/> No	Other Funding? <input type="checkbox"/> Yes <input type="checkbox"/> No	
<i>If "Other Funding," please explain how the item will be funded: Additional expenditures will be accommodated within Water, Sanitary, Storm and Infrastructure Capital Projects.</i>			
Executive Summary:			
<p>Resolution 2023-88 authorized execution of a contract with Martam Construction for the replacement of the water main on N. Bennett Street between State Street and Jefferson Street for a not to exceed amount of \$1,490,482.65. The majority of the underground construction has been completed. However, several unforeseen and unknown issues required resolution as the project progressed. A detailed explanation of those issues is attached for your review. This additional work completed by Martam Construction has resulted in the attached Change Order request from staff. In addition, additional funding is requested to expand the scope of the project to replace the remaining sidewalk/shared path along RT 25. This change order will increase the construction contract to a revised not to exceed amount of \$1,662,958.85.</p>			
Attachments: <i>(please list)</i>			
<ul style="list-style-type: none"> • Resolution • Public Works Memorandum RT 25 Change Order #1 			
Voting Requirements:			
<p><i>This motion requires a simple majority of affirmative votes for passage. (City Council Only)</i></p> <p><i>The Mayor may vote on three occasions: (a) when the vote of the alderpersons has resulted in a tie; (b) when one half of the alderpersons elected have voted in favor of an ordinance, resolution, or motion even though there is no tie vote; or (c) when a vote greater than a majority of the corporate authorities is required by state statute or local ordinance to adopt an ordinance, resolution, or motion.</i></p>			
Recommendation / Suggested Action: <i>(how item should be listed on agenda)</i>			
<p>Recommend Approval of Resolution Authorizing the City Administrator to execute Change Order #1 with Martam Construction of Elgin, Illinois increasing the overall contract to the not to exceed amount of \$1,662,958.85.</p>			

RESOLUTION NO. 2024-21**RESOLUTION AUTHORIZING EXECUTION OF
CHANGE ORDER NUMBER ONE FOR THE
IL RT 25 NORTH BENNETT AVENUE WATER MAIN
REPLACEMENT CONSTRUCTION SERVICES AGREEMENT**

WHEREAS, the City Council of the City of Geneva, Kane County, Illinois through Resolution 2023-88 authorized execution of a contract with Martam Construction of Elgin, Illinois (the "Contractor") that exceeded \$10,000; and

WHEREAS, Pursuant to the terms of the Agreement, the Contractor agreed to complete the Constriction of the IL RT 25 and North Bennett Avenue Water Main Replacement Project at a cost not to exceed of \$1,490,482.65; and

WHEREAS, the Agreement as approved by the City Council and the scope of services to be provided by the Contractor needs to be increased, necessitating a contract modification in the Agreement.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF GENEVA, KANE COUNTY, ILLINOIS, as follows:

SECTION 1: Pursuant to 720 ILCS 5/33E-9, Change Orders, the City Council finds (1) the circumstances said to necessitate the change in performance were not reasonably foreseeable at the time the Contract was entered; and (2) the change is germane to the original Contract as signed, and (3) the change order is in the best interest of the City.

SECTION 2: The City Administrator is authorized to execute the contract modifications as outlined at Exhibit A (Change Order #1) increasing the contract amount to a not to exceed amount of \$1,662,958.85.

SECTION 3: This Resolution shall become effective from and after its passage as in accordance with law.

PASSED by the City Council of the City of Geneva, Kane County, Illinois, this 5th day of February, 2024

AYES: __ **NAYS:** __ **ABSENT:** __ **ABSTAINING:** __ **HOLDING OFFICE:** __

Approved by me this ____ day of _____, 2024.

Mayor

ATTEST:

City Clerk

Exhibit A**Public Works Department****Memorandum****Change Order #1**

On September 5, 2023, the City Council approved a contract with Martam Construction for the replacement of the water main on N. Bennett Street between State Street and Jefferson Street in an amount not to exceed \$1,490,482.65 (including 10% contingency). Staff is requesting a Change Order to the contract due to the circumstances below:

- **Illinois Department of Transportation, IDOT, Additional Requirements:**

The permit from IDOT was received after the bid opening. IDOT's review of the construction plans required storm sewer modifications and enhanced pavement patching.

- **City Sanitary Sewer Repairs:**

Two significant repairs to the city sanitary sewer had to be made. One repair replaced roughly forty (40) feet of deteriorated pipe at Jefferson St. This pipe was uncovered as part of the construction and was in such bad shape that it required replacement.

The second repair was adding a sanitary manhole at Wall Street and replacement of sanitary sewer. A conflict in the elevation of the new storm sewer would not allow the proper installation of the sanitary sewer without the use of bends. Bends are not used because the sewer would not be able to be televised or cleaned. Flow will enter the new manhole and exit at a lower level inside the manhole. This will allow for the replacement of the sanitary sewer pipe without using bends.



NEW SANITARY MH WITH A 2 FOOT DROP TO PASS UNDER NEW 24 INCH STORM SEWER.

- **Additional Storm Sewer Improvements:**

New storm sewer was added to the project at Bennett Street and Jefferson Street to allow for improved alignment of the water main.

Additional storm sewers were constructed at Bennett Street and Dodson Street. The new storm sewers are intended to capture storm water from Dodson Street before reaching Bennett Street. This will reduce storm water flowing into a resident's property on Bennett Street during heavy rain events.

- **Additional Concrete Road Repair Above Estimated Quantity in Bid Document:**

Additional concrete road repair was necessary due to the required separation of individual sanitary sewer laterals and water services. This separation is a requirement of the Illinois Environmental Protection Agency and Illinois Plumbing Code. This required two separate trenches. Additional concrete road repair was required due to a change in field conditions. The additional work for storm sewer improvements and sanitary repairs required additional concrete for the trench and finished pavement.



- **Additional Sidewalk Replacement Above Quantity in Bid Document:**

Additional sidewalk replacement outside of the water main project is recommended to improve the Fox River Trail, bike, and pedestrian path.

- **Additional Work was Performed and Reimbursed by Others.**

The driveway at 27 N. Bennett was undermined due to a failure of the grout between the manhole and the pipe. The gap allowed the original backfill to wash out creating a void under the concrete driveway. New grout between the manhole and pipe was added and a portion of the driveway was replaced. The property owner reimbursed the \$2,140.00 cost to the city, however the cost had to be paid to the contractor as part of the project. See picture below of manhole.



During the construction in front of 113 N. Bennett, the sanitary sewer lateral that comes from this address was in such bad shape that a repair was required. When the pipe was removed, the contractor noticed that a NICOR gas line had been bored through the pipe about 10 feet away. The contractor replaced additional sanitary sewer to the property, lowering the sanitary sewer lateral below the NICOR gas line. NICOR reimbursed the \$2,787.30 cost to the city, however the cost had to be paid to the contractor as part of the project.





COMPLETED SANITARY SERVICE REPAIR: 113 N BENNETT STREET

Water Fund: The total increase of the work related to the replacement of the water main is \$90,672.47

Sanitary Sewer Fund: The cost of work related to repairs to the sanitary sewer is \$29,000

Infrastructure Fund: The total cost increase related to storm water and sidewalk improvements is \$188,302.15

Staff respectfully requests the City Council approve Change Order #1 with Martam Construction for a total contract amount not-to-exceed \$1,662,958.85

Bob VanGyseghem
Superintendent of Water & Wastewater



WATERMAIN IMPROVEMENTS (IL 25)

PAY REQUESTS

NO	DESCRIPTION	UNIT	RUNNING QTY	CHANGE	COST	EXPLANATION	CONTRACT QTY	UNIT PRICES	ESTIMATED FINAL QUANTITY	ESTIMATED FINAL COST	CONTRACT COST	RUNNING COST
1	TREE PROTECTION	EACH		(3.00)	(900.00)	THIS ITEM WAS NOT USED	3.00	\$300.00			\$900.00	
2	TREE ROOT PRUNING	EACH		(3.00)	(1,080.00)	THIS ITEM WAS NOT USED	3.00	\$360.00			\$1,080.00	
3	TRENCH BACKFILL	CU YD	219.24	238.33	14,776.46	ADDITIONAL TRENCH BACKFILL WAS NEEDED AT LOCATIONS WHERE COLLAPSED PIPE AND REPAIRS WERE DONE	86.67	\$62.00	325.00	\$20,150.00	\$5,373.54	\$13,592.88
4	INLET FILTERS	EACH		(8.00)	(2,240.00)	CONTRACT QTY REDUCED, ONLY NEEDED AT 7 LOCATIONS	15.00	\$280.00	7.00	\$1,960.00	\$4,200.00	
5	BITUMINOUS MATERIAL (PRIME COAT)	GAL		6.00	54.00	THIS ITEM WILL BE USED IN THE SPRING TO COMPLETE THE PAVING IF REQUIRED BY IDOT	74.00	\$9.00	80.00	\$720.00	\$666.00	
6	AGGREGATE (PRIME COAT)	TON				THIS ITEM WILL BE USED IN THE SPRING TO COMPLETE THE PAVING IF REQUIRED BY IDOT	1.00	\$180.00	1.00	\$180.00	\$180.00	
7	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQ YD	79.00	65.00	10,920.00	ADDITIONAL DRIVEWAY NEEDED TO BE REMOVED AND REPLACED AT 35 N BENNETT ST (SEE ITEM #11)	14.00	\$168.00	79.00	\$13,272.00	\$2,352.00	\$13,272.00
8	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	1,280.40	3,300.00	42,900.00	WE ARE PROPOSING TO REMOVE AND REPLACE ALL THE SIDEWALK BETWEEN WALL ST. AND JEFFERSON ST WEST SIDE OF STREET	2,200.00	\$13.00	5,500.00	\$71,500.00	\$28,600.00	\$16,645.20
9	PORTLAND CEMENT CONCRETE SIDEWALK 7 INCH	SQ FT	145.00			WE ARE PROPOSING TO REMOVE AND REPLACE ALL THE SIDEWALK BETWEEN WALL ST. AND JEFFERSON ST.	400.00	\$16.00	400.00	\$6,400.00	\$6,400.00	\$2,320.00
10	DETECTABLE WARNINGS	SQ FT		(24.00)	(792.00)	THIS ITEM WAS NOT USED	24.00	\$33.00			\$792.00	
11	DRIVEWAY PAVEMENT REMOVAL	SQ YD	84.10	69.00	1,794.00	ADDITIONAL DRIVEWAY NEEDED TO BE REMOVED AND REPLACED AT 35 N BENNETT ST (SEE ITEM #7)	66.00	\$26.00	135.00	\$3,510.00	\$1,716.00	\$2,186.60
12	SIDEWALK REMOVAL	SQ FT	1,425.40	3,300.00	6,600.00	WE ARE PROPOSING TO REMOVE AND REPLACE ALL THE SIDEWALK BETWEEN WALL ST. AND JEFFERSON ST.WEST SIDE OF STREET	2,600.00	\$2.00	5,900.00	\$11,800.00	\$5,200.00	\$2,850.80
13	CLASS B PATCHES, TYPE IV, 10 INCH	SQ YD		(787.00)	(132,216.00)	AUP 1 WAS USED INSTEAD OF THIS ITEM. EXISTING MATERIAL TYPE, CONDITION AND/OR THICKNESS DID NOT ALLOW	787.00	\$168.00			\$132,216.00	
14	CLASS C PATCHES, TYPE IV, 14 INCH	SQ YD		(300.00)	(81,300.00)	AUP 6 USED INSTEAD OF THIS ITEM EXISTING PAVEMENT THICKNESS WAS TYPICALLY 12 INCHES	300.00	\$271.00			\$81,300.00	
15	CLASS D PATCHES, TYPE IV, 2.50 INCH	SQ YD	200.80	(277.00)	(14,404.00)	THIS ITEM WAS USED ONLY AT DIVISION ST. 500 SQ YD WILL BE NEEDED TO COMPLETE DIVISION STREET	777.00	\$52.00	500.00	\$26,000.00	\$40,404.00	\$10,441.60
16	HMA SURFACE REMOVAL, 1.5 INCH	SQ YD		27.00	189.00	THIS ITEM WILL BE USED IN THE SPRING TO COMPLETE THE PAVING IF REQUIRED BY IDOT	1,773.00	\$7.00	1,800.00	\$12,600.00	\$12,411.00	
17	HMA SURFACE COURSE, IL-9.5, MIX "D", N50 (SPECIAL)	TON		48.00	9,168.00	THIS ITEM WILL BE USED IN THE SPRING TO COMPLETE THE PAVING IF REQUIRED BY IDOT	152.00	\$191.00	200.00	\$38,200.00	\$29,032.00	
18	DUCTILE IRON WATER MAIN TEE, 4" X 4"	EACH		(1.00)	(550.00)	THIS ITEM WAS NOT USED	1.00	\$550.00			\$550.00	

NO	DESCRIPTION	UNIT	RUNNING QTY	CHANGE	COST	EXPLANATION	CONTRACT QTY	UNIT PRICES	ESTIMATED FINAL QUANTITY	ESTIMATED FINAL COST	CONTRACT COST	RUNNING COST
19	DUCTILE IRON WATER MAIN TEE, 8" X 8" (MATERIAL PROVIDED)	EACH	2.00	1.00	750.00	ONE ADDITIONAL WAS NEEDED	1.00	\$750.00	2.00	\$1,500.00	\$750.00	\$1,500.00
20	DUCTILE IRON WATER MAIN TEE, 8" X 6"	EACH	1.00	(7.00)	(8,050.00)	FIELD CHANGES REDUCED THE QUANTITY NEEDED	8.00	\$1,150.00	1.00	\$1,150.00	\$9,200.00	\$1,150.00
21	DUCTILE IRON WATER MAIN TEE, 8" X 8"	EACH	2.00	(3.00)	(3,450.00)	FIELD CHANGES REDUCED THE QUANTITY NEEDED	5.00	\$1,150.00	2.00	\$2,300.00	\$5,750.00	\$2,300.00
22	DUCTILE IRON WATER MAIN TEE, 12" X 12"	EACH		(2.00)	(4,720.00)	THIS ITEM WAS NOT USED	2.00	\$2,360.00			\$4,720.00	
23	DUCTILE IRON WATER MAIN COUPLER SLEEVES, 4 INCH (MATERIAL PROVIDED)	EACH	1.00			PLAN QUANTITY USED	1.00	\$200.00	1.00	\$200.00	\$200.00	\$200.00
24	DUCTILE IRON WATER MAIN COUPLER SLEEVES, 4 INCH	EACH	1.00	(1.00)	(400.00)	ONLY 1 WAS NEEDED AT DIVISION ST	2.00	\$400.00	1.00	\$400.00	\$800.00	\$400.00
25	DUCTILE IRON WATER MAIN COUPLER SLEEVES, 6 INCH (MATERIAL PROVIDED)	EACH	4.00	2.00	1,200.00	2 ADDITIONAL WERE NEEDED	2.00	\$600.00	4.00	\$2,400.00	\$1,200.00	\$2,400.00
26	DUCTILE IRON WATER MAIN COUPLER SLEEVES, 8 INCH (MATERIAL PROVIDED)	EACH		(1.00)	(650.00)	THIS ITEM WAS NOT USED	1.00	\$650.00			\$650.00	
27	DUCTILE IRON WATER MAIN COUPLER SLEEVES, 8 INCH	EACH		(2.00)	(1,900.00)	THIS ITEM WAS NOT USED	2.00	\$950.00			\$1,900.00	
28	DUCTILE IRON WATER MAIN COUPLER SLEEVES, 10 INCH (MATERIAL PROVIDED)	EACH	1.00			PLAN QUANTITY USED	1.00	\$850.00	1.00	\$850.00	\$850.00	\$850.00
29	DUCTILE IRON WATER MAIN COUPLER SLEEVES, 12 INCH (MATERIAL PROVIDED)	EACH		(1.00)	(1,250.00)	THIS ITEM WAS NOT USED	1.00	\$1,250.00			\$1,250.00	
30	DUCTILE IRON REDUCER, 6" X 4" (MATERIAL PROVIDED)	EACH	3.00	2.00	700.00	EXISTING PIPE SIZE WERE CONNECTIONS WERE NEEDED FOR FIRE SERVICES WERE 4 INCH PIPES	1.00	\$350.00	3.00	\$1,050.00	\$350.00	\$1,050.00
31	DUCTILE IRON REDUCER, 8" X 4"	EACH	1.00			PLAN QUANTITY USED	1.00	\$650.00	1.00	\$650.00	\$650.00	\$650.00
32	DUCTILE IRON REDUCER, 8" X 6"	EACH	2.00			PLAN QUANTITY USED	2.00	\$650.00	2.00	\$1,300.00	\$1,300.00	\$1,300.00
33	DUCTILE IRON REDUCER, 12" X 8" (MATERIAL PROVIDED)	EACH		(2.00)	(1,600.00)	THIS ITEM WAS NOT USED	2.00	\$800.00			\$1,600.00	
34	DUCTILE IRON REDUCER, 12" X 10" (MATERIAL PROVIDED)	EACH	1.00			PLAN QUANTITY USED	1.00	\$800.00	1.00	\$800.00	\$800.00	\$800.00
35	DUCTILE IRON WATER MAIN, 4 INCH	FOOT		(10.00)	(1,960.00)	THIS ITEM WAS NOT USED	10.00	\$196.00			\$1,960.00	
36	DUCTILE IRON WATER MAIN, 6 INCH	FOOT	26.50	(3.50)	(525.00)	FIELD CHANGES REDUCED THE QUANTITY NEEDED	30.00	\$150.00	26.50	\$3,975.00	\$4,500.00	\$3,975.00
37	DUCTILE IRON WATER MAIN, 8 INCH	FOOT	219.00	(28.00)	(4,172.00)	FIELD CHANGES REDUCED THE QUANTITY NEEDED	247.00	\$149.00	219.00	\$32,631.00	\$36,803.00	\$32,631.00
38	PVC WATER MAIN QUALITY PIPE, 4 INCH (MATERIAL PROVIDED)	FOOT	1.00	(19.00)	(2,964.00)	FIELD CHANGES REDUCED THE QUANTITY NEEDED	20.00	\$156.00	1.00	\$156.00	\$3,120.00	\$156.00

NO	DESCRIPTION	UNIT	RUNNING QTY	CHANGE	COST	EXPLANATION	CONTRACT QTY	UNIT PRICES	ESTIMATED FINAL QUANTITY	ESTIMATED FINAL COST	CONTRACT COST	RUNNING COST
39	PVC WATER MAIN QUALITY PIPE, 6 INCH (MATERIAL PROVIDED)	FOOT	237.90	(70.00)	(6,510.00)	FIELD CHANGES REDUCED THE QUANTITY NEEDED	300.00	\$93.00	230.00	\$21,390.00	\$27,900.00	\$22,124.70
40	PVC WATER MAIN QUALITY PIPE, 8 INCH (MATERIAL PROVIDED)	FOOT	990.40	83.00	7,719.00	FIELD CHANGES INCREASED THE QUANTITY NEEDED	922.00	\$93.00	1,005.00	\$93,465.00	\$85,746.00	\$92,107.20
41	PVC WATER MAIN QUALITY PIPE, 10 INCH (MATERIAL PROVIDED)	FOOT	32.50	18.00	2,394.00	FIELD CHANGES INCREASED THE QUANTITY NEEDED	15.00	\$133.00	33.00	\$4,389.00	\$1,995.00	\$4,322.50
42	PVC WATER MAIN QUALITY PIPE, 12 INCH (MATERIAL PROVIDED)	FOOT	27.00	(38.00)	(5,244.00)	FIELD CHANGES REDUCED THE QUANTITY NEEDED	65.00	\$138.00	27.00	\$3,726.00	\$8,970.00	\$3,726.00
43	PVC STORM SEWER, WATER MAIN QUALITY PIPE, 12 INCH (MATERIAL PROVIDED)	FOOT	131.60	(38.40)	(4,070.40)	FIELD CHANGES REDUCED THE QUANTITY NEEDED	170.00	\$106.00	131.60	\$13,949.60	\$18,020.00	\$13,949.60
44	PVC STORM SEWER, WATER MAIN QUALITY PIPE, 15 INCH (MATERIAL PROVIDED)	FOOT	30.00	(2.00)	(252.00)	CLOSE TO PLAN QUNATITY	32.00	\$126.00	30.00	\$3,780.00	\$4,032.00	\$3,780.00
45	PVC STORM SEWER, WATER MAIN QUALITY PIPE, 24 INCH (MATERIAL PROVIDED)	FOOT	139.00	6.00	1,020.00	CLOSE TO PLAN QUNATITY	133.00	\$170.00	139.00	\$23,630.00	\$22,610.00	\$23,630.00
46	PVC SANITARY SEWER, WATER MAIN QUALITY PIPE, 15 INCH (MATERIAL PROVIDED)	FOOT		(28.00)	(13,048.00)	AUP 19 WAS USED INSTEAD OF THIS ITEM	28.00	\$466.00			\$13,048.00	
47	WATER VALVES, 8 INCH	EACH	3.00			PLAN QUANTITY USED	3.00	\$3,000.00	3.00	\$9,000.00	\$9,000.00	\$9,000.00
48	WATER VALVES, 6 INCH (MATERIAL PROVIDED)	EACH	5.00			PLAN QUANTITY USED	5.00	\$1,100.00	5.00	\$5,500.00	\$5,500.00	\$5,500.00
49	WATER VALVES, 8 INCH (MATERIAL PROVIDED)	EACH	9.00	1.00	1,200.00	ADDITIONAL VALVE PROVIDED FOR PRESSURE CONNECTION; STATE ST.	8.00	\$1,200.00	9.00	\$10,800.00	\$9,600.00	\$10,800.00
50	WATER VALVES, 12 INCH (MATERIAL PROVIDED)	EACH	1.00	(1.00)	(2,320.00)	FIELD CHANGES REDUCED THE QUANTITY NEEDED	2.00	\$2,320.00	1.00	\$2,320.00	\$4,640.00	\$2,320.00
51	DUCTILE IRON WATER MAIN FITTINGS 8" 22.50 DEGREE BEND	EACH	1.00	(1.00)	(600.00)	FIELD CHANGES REDUCED THE QUANTITY NEEDED	2.00	\$600.00	1.00	\$600.00	\$1,200.00	\$600.00
52	DUCTILE IRON WATER MAIN FITTINGS 4" 45.00 DEGREE BEND	EACH		(2.00)	(800.00)	PLAN QUANTITY USED	2.00	\$400.00			\$800.00	
53	DUCTILE IRON WATER MAIN FITTINGS 6" 45.00 DEGREE BEND	EACH	2.00	(3.00)	(1,500.00)	FIELD CHANGES REDUCED THE QUANTITY NEEDED	5.00	\$500.00	2.00	\$1,000.00	\$2,500.00	\$1,000.00
54	DUCTILE IRON WATER MAIN FITTINGS 8" 45.00 DEGREE BEND	EACH	4.00	5.00	3,400.00		1.00	\$680.00	6.00	\$4,080.00	\$680.00	\$2,720.00
55	DUCTILE IRON WATER MAIN FITTINGS 12" 45.00 DEGREE BEND	EACH		(2.00)	(2,760.00)		2.00	\$1,380.00			\$2,760.00	
56	NON-PRESSURE CONNECTION, 8 INCH TO EXISTING 4 INCH MAIN	EACH	1.00			PLAN QUANTITY USED	1.00	\$4,680.00	1.00	\$4,680.00	\$4,680.00	\$4,680.00
57	NON-PRESSURE CONNECTION, 8 INCH TO EXISTING 4 INCH MAIN (MATERIAL PROVIDED)	EACH	4.00	3.00	11,040.00	3 OF THE EXISTING FIRE SERVICES WERE 4 INCH INSTEAD OF 6 INCH	1.00	\$3,680.00	4.00	\$14,720.00	\$3,680.00	\$14,720.00
58	NON-PRESSURE CONNECTION, 8 INCH TO EXISTING 6 INCH MAIN	EACH	2.00	1.00	4,920.00	DIVISION ST NEEDED 2 OF THESE ITEMS. THE ADDITIONAL WAS NEEDED INSTEAD OF ITEM 60. EXISTING MAIN WAS 6 INCH	1.00	\$4,920.00	2.00	\$9,840.00	\$4,920.00	\$9,840.00

NO	DESCRIPTION	UNIT	RUNNING QTY	CHANGE	COST	EXPLANATION	CONTRACT QTY	UNIT PRICES	ESTIMATED FINAL QUANTITY	ESTIMATED FINAL COST	CONTRACT COST	RUNNING COST
59	NON-PRESSURE CONNECTION, 8 INCH TO EXISTING 6 INCH MAIN (MATERIAL PROVIDED)	EACH	2.00	(3.00)	(12,360.00)	EXISTING PIPE SIZE WERE CONNECTIONS WERE NEEDED FOR FIRE SERVICES WERE 4 INCH PIPES	5.00	\$4,120.00	2.00	\$8,240.00	\$20,600.00	\$8,240.00
60	NON-PRESSURE CONNECTION, 8 INCH TO EXISTING 8 INCH MAIN	EACH		(1.00)	(4,920.00)	WHERE THE WATER MAIN TIED IN AT 102 DIVISION THE EXISTING MAIN WAS A 6 INCH	1.00	\$4,920.00			\$4,920.00	
61	NON-PRESSURE CONNECTION, 8 INCH TO EXISTING 8 INCH MAIN (MATERIAL PROVIDED)	EACH		(1.00)	(4,260.00)	PRESSURE CONNECTION WAS NEEDED; AUP 5 WAS USED INSTEAD	1.00	\$4,260.00			\$4,260.00	
62	NON-PRESSURE CONNECTION, 12 INCH TO EXISTING 10 INCH MAIN (MATERIAL PROVIDED)	EACH	1.00			PLAN QUANTITY USED	1.00	\$4,680.00	1.00	\$4,680.00	\$4,680.00	\$4,680.00
63	NON-PRESSURE CONNECTION, 12 INCH TO EXISTING 12 INCH MAIN (MATERIAL PROVIDED)	EACH	1.00			PLAN QUANTITY USED	1.00	\$4,960.00	1.00	\$4,960.00	\$4,960.00	\$4,960.00
64	WATER SERVICE LINE 1.50 INCH	EACH	10.00	3.00	5,640.00	PLAN QUANTITY USED	7.00	\$1,880.00	10.00	\$18,800.00	\$13,160.00	\$18,800.00
65	CORPORATION STOPS 1.50 INCH	EACH	10.00	3.00	11,040.00	PLAN QUANTITY USED	7.00	\$3,680.00	10.00	\$36,800.00	\$25,760.00	\$36,800.00
66	FIRE HYDRANTS TO BE REMOVED	EACH	2.00	(1.00)	(980.00)	HYDRANT AT NE STATE AND BENNET REMAINS IN PLACE PER FIRE CODE	3.00	\$980.00	2.00	\$1,960.00	\$2,940.00	\$1,960.00
67	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	1.00			PLAN QUANTITY USED	1.00	\$10,460.00	1.00	\$10,460.00	\$10,460.00	\$10,460.00
68	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX (MATERIAL PROVIDED)	EACH	2.00			PLAN QUANTITY USED	2.00	\$4,600.00	2.00	\$9,200.00	\$9,200.00	\$9,200.00
69	DOMESTIC WATER SERVICE BOXES TO BE REMOVED	EACH	9.00			OLD SERVICE WILL BE REMOVED AND NOT REPLACED. DOMESTIC SPLITS OFF FIRE ON THE INSIDE	11.00	\$230.00	11.00	\$2,530.00	\$2,530.00	\$2,070.00
70	DOMESTIC WATER SERVICE BOXES	EACH	10.00	(1.00)	(1,410.00)	AT 111 EAST STATE ST THIS ITEM WAS NOT NEEDED DOMESTICK WAS CHANGED, NOW SPLITS OFF FIRE SERVICE ON THE INSIDE	11.00	\$1,410.00	10.00	\$14,100.00	\$15,510.00	\$14,100.00
71	INLET TYPE A, TYPE 11 FRAME AND GRATE W/ CURB PLATE	EACH	2.00	1.00	4,480.00	ADDITIONAL INLET NEEDED	1.00	\$4,480.00	2.00	\$8,960.00	\$4,480.00	\$8,960.00
72	INLET TYPE A, TYPE 11 FRAME AND GRATE	EACH	5.00	4.00	15,440.00	DODSON ST AND WALL ST DRAINAGE IMPROVEMENTS	1.00	\$3,860.00	5.00	\$19,300.00	\$3,860.00	\$19,300.00
73	INLET TYPE B, TYPE 11 FRAME AND GRATE	EACH	1.00			PLAN QUANTITY USED	1.00	\$2,620.00	1.00	\$2,620.00	\$2,620.00	\$2,620.00
74	INLET TYPE B, TYPE 11 FRAME AND GRATE w/ CURB PLATE	EACH	1.00			PLAN QUANTITY USED	1.00	\$4,110.00	1.00	\$4,110.00	\$4,110.00	\$4,110.00
75	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME AND GRATE w/ CURB PLATE	EACH	1.00			PLAN QUANTITY USED	1.00	\$7,410.00	1.00	\$7,410.00	\$7,410.00	\$7,410.00
76	MANHOLES, TYPE A, 5' DIAMETER, TYPE 1 FRAME AND CLOSED LID	EACH		(1.00)	(6,180.00)	AUP 7 (6 FT MANHOLE) WAS NEEDED INSTEAD; A 5 FT MANHOLE WAS TOO SMALL TO CONNECT ALL STORM SEWERS	1.00	\$6,180.00			\$6,180.00	
77	MANHOLES, TYPE A, 5' DIAMETER, TYPE 1 FRAME AND GRATE	EACH	1.00			PLAN QUANTITY USED	1.00	\$6,180.00	1.00	\$6,180.00	\$6,180.00	\$6,180.00
78	VALVE VAULTS, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	16.00	1.00	4,360.00	ONE ADDITIONAL WAS NEEDED	15.00	\$4,360.00	16.00	\$69,760.00	\$65,400.00	\$69,760.00

NO	DESCRIPTION	UNIT	RUNNING QTY	CHANGE	COST	EXPLANATION	CONTRACT QTY	UNIT PRICES	ESTIMATED FINAL QUANTITY	ESTIMATED FINAL COST	CONTRACT COST	RUNNING COST
79	VALVE VAULTS, TYPE A, 5' DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2.00			PLAN QUANTITY USED	2.00	\$6,410.00	2.00	\$12,820.00	\$12,820.00	\$12,820.00
80	MANHOLES TO BE REMOVED	EACH	5.00			PLAN QUANTITY USED	5.00	\$480.00	5.00	\$2,400.00	\$2,400.00	\$2,400.00
81	FILLING VALVE VAULTS	EACH	3.00	(2.00)	(1,120.00)	FIELD CONDITIONS DID NOT REQUIRE ESTIMATED QUANTITY	5.00	\$560.00	3.00	\$1,680.00	\$2,800.00	\$1,680.00
82	PAVEMENT MARKING REMOVAL	SQ FT		(150.00)	(525.00)	ITEM WILL NOT BE NEEDED	150.00	\$3.50			\$525.00	
83	ROCK EXCAVATION	CU YD	739.00	(20.00)	(3,040.00)	FIELD CONDITIONS DID NOT REQUIRE ESTIMATED QUANTITY	759.00	\$152.00	739.00	\$112,328.00	\$115,368.00	\$112,328.00
84	GROUT REMOVAL AND REPLACEMENT	EACH		(6.00)	(1,050.00)	ITEM NOT NEEDED	6.00	\$175.00			\$1,050.00	
85	BRICK PAVER, STONE AND MASONRY REMOVAL AND REPLACEMENT	SQ FT	109.10	(100.00)	(3,400.00)	LESS THAN PLAN QUANTITY WILL BE NEEDED DUE TO FIELD CHANGES	300.00	\$34.00	200.00	\$6,800.00	\$10,200.00	\$3,709.40
86	SPOT CURB REMOVAL AND REPLACEMENT	FOOT	382.50	96.50	5,886.50	NEEDED TO REMOVE ADDITIONAL CURB DUE TO THE SEPARATION OF WATER/SANITARY; CURRENT IEPA AND PLUMBING CODE REQUIREMENTS	286.00	\$61.00	382.50	\$23,332.50	\$17,446.00	\$23,332.50
87	CUT AND PLUG EXISTING WATER MAIN	EACH	5.00	(3.00)	(5,940.00)	LESS THAN PLAN QUANTITY USED DUE TO FIELD CHANGES	8.00	\$1,980.00	5.00	\$9,900.00	\$15,840.00	\$9,900.00
88	CUT AND CAP WATER MAIN	EACH	11.00	3.00	5,940.00	THREE ADDITIONAL NEEDED DUE TO FIELDS CHANGES	8.00	\$1,980.00	11.00	\$21,780.00	\$15,840.00	\$21,780.00
89	STORM SEWER REMOVAL	FOOT	183.00	(152.00)	(1,672.00)	LESS THAN PLAN QUANTITY USED DUE TO FIELD CHANGES	335.00	\$11.00	183.00	\$2,013.00	\$3,685.00	\$2,013.00
90	TRAFFIC CONTROL AND PROTECTION	L SUM	1.00			PLAN QUANTITY USED	1.00	\$115,000.00	1.00	\$115,000.00	\$115,000.00	\$115,000.00
91	URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT				WILL BE COMPLETED IN THE SPRING	36.40	\$10.00	36.40	\$364.00	\$364.00	
92	URETHANE PAVEMENT MARKING - LINE 4 INCH	FOOT				WILL BE COMPLETED IN THE SPRING	1,200.00	\$4.55	1,200.00	\$5,460.00	\$5,460.00	
93	URETHANE PAVEMENT MARKING - LINE 6 INCH	FOOT				WILL BE COMPLETED IN THE SPRING	90.00	\$6.00	90.00	\$540.00	\$540.00	
94	URETHANE PAVEMENT MARKING - LINE 12 INCH	FOOT				WILL BE COMPLETED IN THE SPRING	98.00	\$10.00	98.00	\$980.00	\$980.00	
95	URETHANE PAVEMENT MARKING - LINE 24 INCH	FOOT				WILL BE COMPLETED IN THE SPRING	137.00	\$11.00	137.00	\$1,507.00	\$1,507.00	
96	PARKWAY RESTORATION	SQ YD		27.22	898.26	ESTIMATED ADDITIONAL PARKWAY RESTORATION TO BE COMPLETED IN THE SPRING	197.78	\$33.00	225.00	\$7,425.00	\$6,526.74	
97	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4 INCH	SQ YD	5.10	(24.00)	(2,928.00)	USE OF THIS ITEM WAS REDUCED	34.00	\$122.00	10.00	\$1,220.00	\$4,148.00	\$622.20
98	SIDEWALK REPAIR (SPECIAL)	EACH		(30.00)	(7,500.00)	IF ADDITIONAL SIDEWALK REPLACEMENT IS APPROVED BY COUNCIL THIS ITEM CAN BE ELIMINATED	30.00	\$250.00			\$7,500.00	

NO	DESCRIPTION	UNIT	RUNNING QTY	CHANGE	COST	EXPLANATION	CONTRACT QTY	UNIT PRICES	ESTIMATED FINAL QUANTITY	ESTIMATED FINAL COST	CONTRACT COST	RUNNING COST
99	DRAINAGE AND UTILITY STRUCTURES TO BE ADJUSTED	EACH		(4.00)	(2,760.00)	NO EXISTING STRUCTURES NEEDED TO BE ADJUSTED	4.00	\$690.00			\$2,760.00	
100	CURB STOPS 1.50 INCH	EACH	10.00	3.00	1,380.00	THREE ADDITIONAL SERVICES WAS NEEDED	7.00	\$460.00	10.00	\$4,600.00	\$3,220.00	\$4,600.00
101	CONTROLLED LOW STRENGTH MATERIAL	CU YD	1,211.00	686.00	117,992.00	NEEDED ADDITIONAL TRENCHING BECAUSE OF WATER/SANITARY SERVICE SEPARATION, SANITARY MAIN AND STORM MAIN REPAIRS	514.00	\$172.00	1,200.00	\$206,400.00	\$88,408.00	\$208,292.00
102	DETECTOR LOOP REPLACEMENT	FOOT	204.00	4.00	360.00	MINOR CHANGE: 4 FEET MORE THAN PLAN QUANTITY	200.00	\$90.00	204.00	\$18,360.00	\$18,000.00	\$18,360.00
103	RAISED REFLECTIVE PAVEMENT MARKERS	EACH				THIS ITEM WILL BE COMPLETED IN THE SPRING IF REQUIRED BY IDOT	10.00	\$165.00	10.00	\$1,650.00	\$1,650.00	
104	PVC WATERMAIN, 6 INCH IN 12 INCH CASING W/SPACERS (MATERIAL PROVIDED)	FOOT		(20.00)	(3,320.00)	FIELD CHANGES AT JEFFERSON ST ELIMINATED THE NEED FOR THIS ITEM	20.00	\$166.00			\$3,320.00	
105	PVC WATERMAIN, 8 INCH IN 16 INCH CASING W/SPACERS (MATERIAL PROVIDED)	FOOT	40.00	(40.00)	(7,200.00)	REPLACEMENT OF THE COLLAPSED SECTION OF THE SANITARY MAIN WITH C-900 ELIMINATED THE NEED FOR THIS ITEM AT JEFFERSON ST	80.00	\$180.00	40.00	\$7,200.00	\$14,400.00	\$7,200.00
DEDUCT DROM ORIGINAL CONTRACT IF ALL SIDEWALK BETWEEN WALL AND BENNET IS REMOVED AND REPLACED					(\$78,631.18)		CONTRACT AMOUNT			\$1,354,984.28	\$1,109,138.18	
DEDUCT DROM ORIGINAL CONTRACT IF ALL SIDEWALK BETWEEN WALL AND BENNET IS NOT REMOVED AND REPLACED					(\$128,131.18)							
AUP 1	CLASS C PATCHES, TYPE IV, 10 INCH	SQ YD	73.60	85.00	13,515.00	DIVISION ST PVMNT 10" THICK. NO CLASS C PATCHING IN CONTRACT		\$159.00	85.00	\$13,515.00		\$11,702.40
AUP 2	DUCTILE IRON WATER MAIN TEE, 8" X 6" (MATERIAL PROVIDED)	EACH	7.00	7.00	4,781.00	ITEM WAS NOT INCLUDED IN CONTRACT		\$683.00	7.00	\$4,781.00		\$4,781.00
AUP 3	DUCTILE IRON WATER MAIN FITTINGS 8" 45.00 DEGREE BEND (MATERIAL PROVIDED)	EACH	6.00	4.00	1,440.00	ITEM WAS NOT INCLUDED IN CONTRACT		\$360.00	4.00	\$1,440.00		\$2,160.00
AUP 4	DUCTILE IRON WATER MAIN FITTINGS 6" 45.00 DEGREE BEND (MATERIAL PROVIDED)	EACH	13.00	13.00	3,510.00	ITEM WAS NOT INCLUDED IN CONTRACT		\$270.00	13.00	\$3,510.00		\$3,510.00
AUP 5	PRESSURE CONNECTION, 8 INCH TO EXISTING 8 INCH MAIN (MATERIAL PROVIDED)	EACH	1.00	1.00	498.75	ITEM WAS NOT INCLUDED IN CONTRACT		\$498.75	1.00	\$498.75		\$498.75
AUP 6	CLASS C PATCHES, TYPE IV, 12 INCH	SQ YD	1,289.30	1,250.00	324,375.00	USED IN LIEU OF ITEMS 13, 14, 15.		\$259.50	1250.00	\$324,375.00		\$334,573.35
AUP 7	MANHOLES, TYPE A, 6' DIAMETER, TYPE 1 FRAME AND CLOSED LID	EACH	1.00	1.00	7,890.00	USED IN LIEU OF ITEM 76. A LARGER DIAMETER MH NEEDED TO CONNECT THE DRAIN PIPES		\$7,890.00	1.00	\$7,890.00		\$7,890.00
AUP 8	SANITARY MANHOLE, TYPE A, 4' DIAMETER, TYPE 1 FRAME AND CLOSED LID	EACH	1.00	1.00	5,760.00	REPAIRED COLLAPSED SAN MAIN AND PLACED A DROPPED SAN MH; CONFLICT WITH STM MN		\$5,760.00	1.00	\$5,760.00		\$5,760.00
AUP 9	GROUTING STORM PIPE IN MANHOLE (24 N BENNETT STREET)	EACH	1.00	1.00	200.00	BACKFILL AND DIRT WASHED INTO STM MH PIPE NEEDED TO BE GROUTED		\$200.00	1.00	\$200.00		\$200.00
AUP 10	INLETS TO BE REMOVED	EACH	3.00	4.00	1,120.00	ITEM WAS NOT INCLUDED IN CONTRACT		\$280.00	4.00	\$1,120.00		\$840.00

