



Board of Alderman Request for Action

MEETING DATE: 5/3/2022

DEPARTMENT: Public Works

AGENDA ITEM: Resolution 1054, 4th Street and 4th Terrace Watermain Improvements

RECOMMENDED ACTION:

Motion to approve Resolution 1054, authorizing the Mayor to sign an engineering services agreement with Veenstra & Kimm Inc. in the amount of \$87,290.

SUMMARY:

The 4th Street and 4th Terrace Improvements project will include the replacement of undersized water main. The waterlines on both of these roads are more than 30 years old and have experienced several breaks. The project will also loop the the waterline on 4th Terrace to Third Street, improving reliability. Both 4th Street and 4th Terrace have poor pavement and drainage, design of improvements to both will also be included in this project.

On March 1, 2022, the Board approved Resolution 1030 establishing a Pre-Qualified On-Call Professional Services list for engineering services. Veenstra & Kimm Inc. is included as a firm that has the qualifications to perform the engineering for this project. Staff entered into negotiations with Veenstra & Kimm Inc. and have reached a contract amount of \$87,290.

PREVIOUS ACTION:

This project has been included in the Capital Improvement Program

POLICY ISSUE:

Continued service and infrastructure maintenance,

FINANCIAL CONSIDERATIONS:

Total contract amount is \$87,290. The 2022 CIP includes \$60,000 for professional services for this project. Savings from the West Bypass Sewer Main design provides sufficient funds available in the Utility Budget for this expense. Construction in 2023 is estimated to be \$500,000 to \$600,000.

ATTACHMENTS:

- | | |
|---|--|
| <input type="checkbox"/> Ordinance | <input checked="" type="checkbox"/> Contract |
| <input checked="" type="checkbox"/> Resolution | <input type="checkbox"/> Plans |
| <input type="checkbox"/> Staff Report | <input type="checkbox"/> Minutes |
| <input checked="" type="checkbox"/> Other: Proj Map | |

RESOLUTION 1054

A RESOLUTION AUTHORIZING AND DIRECTING THE MAYOR TO EXECUTE AN AGREEMENT WITH VEENSTRA & KIMM INC. FOR ENGINEERING SERVICES FOR 4th STREET & 4th TERRACE IMPROVEMENTS IN THE AMOUNT OF \$87,290

WHEREAS, the watermain on 4th Street and 4th Terrace is inadequate and has experienced several main breaks in the last few years; and

WHEREAS, Veenstra & Kimm Inc. responded to RFQ 22-09, On Call Professional Services, submitted their qualifications and are an approved firm to provide engineering services for watermain improvements; and

WHEREAS, Veenstra & Kimm have provided a scope of services to complete the design in the amount of \$89,290.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF ALDERMEN OF THE CITY OF SMITHVILLE, MISSOURI, That the Mayor is authorized to execute an agreement with Veenstra & Kimm Inc. for engineering services for watermain improvements on 4th Street and 4th Terrace in the amount of \$89,290.00

PASSED AND ADOPTED by the Mayor and Board of Aldermen this 3rd day of May, 2022.

Damien Boley, Mayor

ATTEST:

Linda Drummond, City Clerk

April 21, 2022



PROJECT SUMMARY SHEET

**VEENSTRA & KIMM, INC. COST PROPOSAL
4TH STREET & 4TH TERRACE WATERMAIN IMPROVEMENTS
SMITHVILLE, MISSOURI**

DESIGN PHASE

	Total Hours	Labor Costs	
Engineer III-B	19	\$2,432	
Engineer V	35	\$3,955	
Engineer VI	84	\$8,904	
Engineer VIII	151	\$14,798	
Engineer XI	184	\$13,800	
Technician II	168	\$14,448	
Clerical IV	<u>10</u>	<u>\$530</u>	
Totals	651	\$58,867	
TOTAL LABOR COSTS			\$58,867
TOTAL EXPENSES			<u>\$28,423</u>
TOTAL ESTIMATED AMOUNT PAYABLE - DESIGN PHASE			\$87,290

VEENSTRA & KIMM, INC. COST PROPOSAL
4TH STREET & 4TH TERRACE WATERMAIN IMPROVEMENTS
SMITHVILLE, MISSOURI

PROJECT HOURS ESTIMATE		Manhours							
		Engineer III-B	Engineer V	Engineer VI	Engineer VIII	Engineer XII	Tech II	Clerical III	Total
Item Description									
1	Collect and review existing information		1	2	4	4	2		13
2									0
3	Review of Provided Field Surveys	1	1	2	4	5	4		17
4									0
5	Conduct field reconnaissance	1		2	2	3	3		11
6									0
7	Develop contour map		1	2	6	6	8		23
8									0
9	Preliminary Alignments (Water)	2	2	8	10	12	12		46
10									0
11	Preliminary Alignments (Storm Sewer)	1	2	4	10	14	10		41
12									0
13	Sanitary Sewer		2	2	3	4	3		14
14									0
15	Preliminary Roadway Geometry	2	1	3	8	14	10		38
16									0
17	Typical Sections and Details	1	3	5	8	8	8		33
18									0
19	Preliminary Plan Development		1	5	10	12	16		44
20									0
21	Preliminary Quantities and Cost Estimate	1	1	2	8	8	10	2	32
22									0
23	Preliminary Submittal to City with Review Meeting		1	2	2	3			8
24									0
PAGE 1 TOTAL ESTIMATE		9	16	39	75	93	86	2	320

VEENSTRA & KIMM, INC. COST PROPOSAL
4TH STREET & 4TH TERRACE WATERMAIN IMPROVEMENTS
SMITHVILLE, MISSOURI

PROJECT HOURS ESTIMATE		Manhours							
		Engineer III-B	Engineer V	Engineer VI	Engineer VIII	Engineer XII	Tech II	Clerical III	Total
Item Description									
25	Revisions to Preliminary Plans per City Comments	1	1	2	4	8	6		22
26									0
27	Final Alignment (Water)	1	2	6	9	12	12		42
28									0
29	Final Alignment (Storm Sewer)	1	2	6	8	10	10		37
30									0
31	Sanitary Sewer		1	2	3	4	2		12
32									0
33	Final Roadway Geometry	1	2	6	10	12	12		43
34									0
35	Final Plan Development	2	3	8	14	14	18		59
36									0
37	Specifications	1	2	6	10	8		3	30
38									0
39	Final Quantities and Cost Estimate	1	1	2	8	8	10	3	33
40									0
41	Submit Final Plans to City with Review meeting		1	1	2	4	4		12
42									0
43	Project Management and Coordination Meetings	1	2	2	4	8	6	1	24
44									0
43	Public Involvement	1	2	4	4	3	2	1	17
46									
PAGE 2 TOTAL ESTIMATE		10	19	45	76	91	82	8	331
TOTAL ESTIMATE		19	35	84	151	184	168	10	651

**VEENSTRA & KIMM, INC. COST PROPOSAL
4TH STREET & 4TH TERRACE WATERMAIN IMPROVEMENTS
SMITHVILLE, MISSOURI
DESIGN COST ESTIMATE**

DIRECT LABOR

<u>Discipline</u>	<u>Total Hours</u>	<u>Rate</u>	<u>Total</u>	
Engineer III-B	19	\$128.00	2432	
Engineer V	35	\$113.00	3955	
Engineer VI	84	\$106.00	8904	
Engineer VIII	151	\$98.00	14798	
Engineer XI	184	\$75.00	13800	
Technician II	168	\$86.00	14448	
Clerical IV	10	\$53.00	530	
TOTAL DIRECT LABOR	651			\$58,867
TOTAL ESTIMATED LABOR COST				\$58,867

DIRECT EXPENSES**Subconsultants:**

McLaughlin Mueller, Inc. (Topo & Boundary Survey)	\$13,360
(Easements - 20 Parcels @ \$360/Parcel) - as required	\$7,200
(Title Reports - 20 Parcels @ \$300/Parcel) - as required	\$6,000

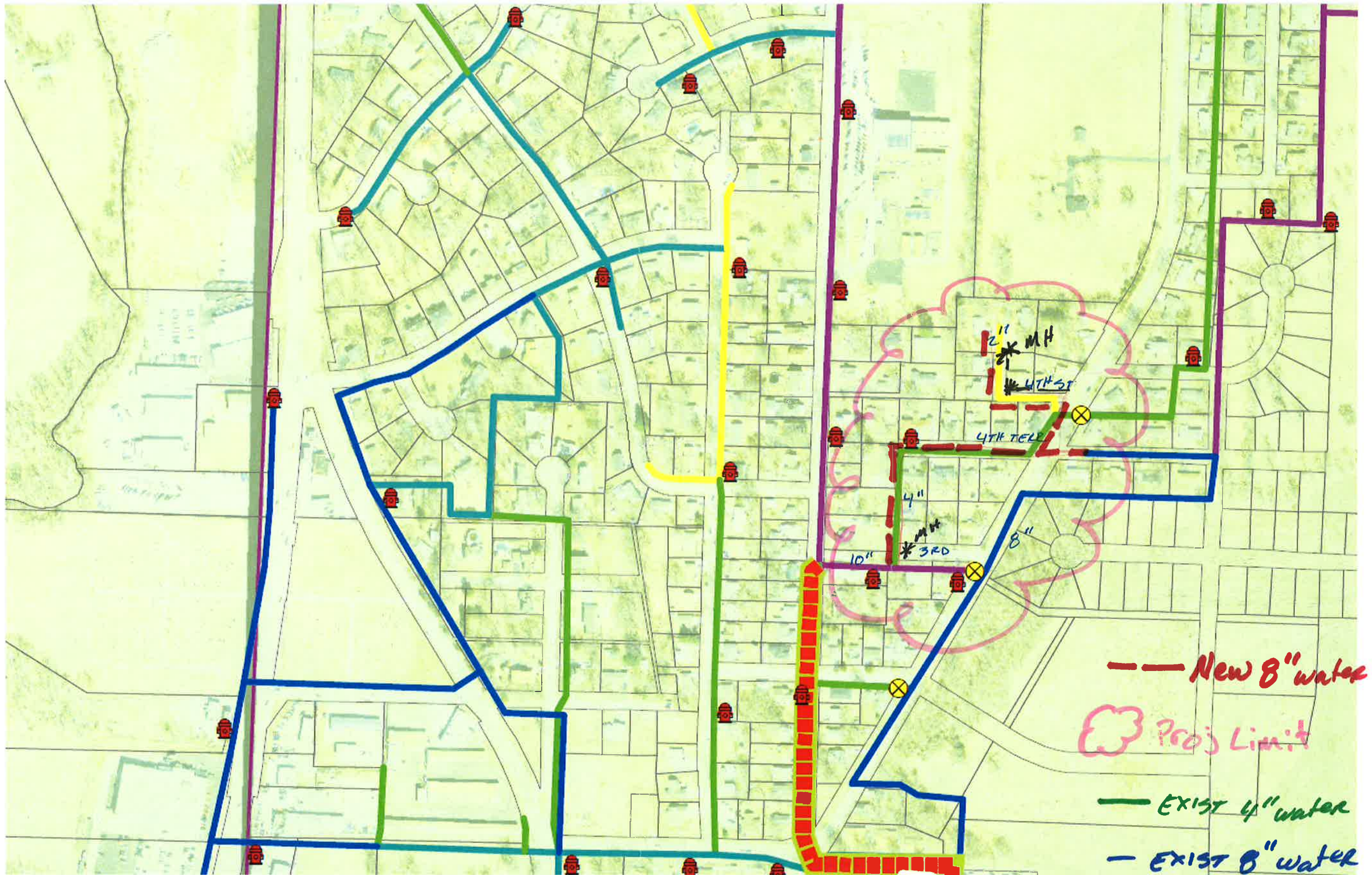
Total Subconsultant Cost **\$26,560**

Mileage	\$400
Printing & Reproduction	\$40
Lodging	\$600
Meals	\$185
Engineering Supplies & Equipment	\$638

TOTAL ESTIMATED DIRECT EXPENSES **\$28,423**

TOTAL ESTIMATED COSTS **\$87,290**

MAXIMUM AMOUNT PAYABLE **\$87,290**



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