



Date December 09, 2024

**PUBLIC HEARING, APPROVING PLANS, SPECIFICATIONS,
FORM OF CONTRACT DOCUMENTS, AND ENGINEER'S ESTIMATE ON
2025 NEIGHBORHOOD SIDEWALK PROGRAM;
RECEIVE AND FILE BIDS**

WHEREAS, on October 21, 2024, under Roll Call No. 24-1422, plans, specifications, form of contract documents, and Engineer's estimate of construction cost were filed with the City Clerk, for the construction of the following improvement:

2025 Neighborhood Sidewalk Program, Activity ID 092022006

The improvement includes construction of Portland Cement Concrete (PCC) sidewalk, PCC ADA-compliant curb ramps, grading, pavement removal, subdrain, storm sewer, modular block retaining walls, water service modifications, surface restoration, traffic control, and other incidental items, all in accordance with the contract documents including Plan File No. 658-065-221, along the following sections of residential streets in Des Moines, Iowa:

- Prospect Road from 27th Street to Martin Luther King Jr. Pkwy (south side)
- Cornell Street from E. Sheridan Avenue to Hull Avenue (west side)
- Park Avenue from Wakonda Court to Fleur Drive (south side)
- SW 14th Street from Watrous Avenue to Park Avenue (east side)
- Philip Street from SW 9th Street to South Union Street (south side)
- College Avenue from Illinois Street to Michigan Street (north side)

WHEREAS, notice of the hearing on the plans, specifications, form of contract documents, and Engineer's estimate of construction cost was published as required by law.

WHEREAS, in accordance with said notice, those interested in said proposed plans, specifications, form of contract documents, and Engineer's estimate of construction cost both for and against, have been given opportunity to be heard with respect thereto and have presented their views to the City Council.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DES MOINES, IOWA: That upon due consideration of the facts, and any and all statements of interested persons, any objections to the plans, specifications, form of contract documents, and Engineer's estimate of construction cost for said improvement are overruled and the hearing is closed and that said plans, specifications, form of contract documents, and Engineer's estimate of construction cost are hereby approved.

BE IT FURTHER RESOLVED: That sealed bids for said improvement were submitted by the following bidders:

- MPS Engineers, P.C. dba Kingston Services, P.C., Des Moines, IA
- TK Concrete, Inc., Pella, IA
- Caliber Concrete, LLC, Adair, IA
- Brothers Cleaning Corporation d/b/a Brothers Concrete, Des Moines, IA
- Ti-Zack Concrete, Inc., Le Center, MN
- C-2 Creative Concrete, LLC, Dekalb, IL - Bid not read. Invalid Bid Bond Form was used.



Roll Call Number

Agenda Item Number

45

Date December 09, 2024

which were received and opened at a public meeting presided over by the Engineer in the City Council Chambers, 2nd Floor, City Hall, 400 Robert D. Ray Drive, Des Moines, Iowa at 11:00 a.m. on November 05, 2024. Said bids and the attached tabulation of bids for said improvement be and are hereby received and filed.

BE IT FURTHER RESOLVED: That the City Council will consider awarding the contract and approving the bond for this project at its December 23, 2024 council meeting.

(Council Communication No. 24-491 attached)

Moved by _____ to adopt. Second by _____

FORM APPROVED:

s/Kathleen Vanderpool

Kathleen Vanderpool
Deputy City Attorney

Funding Source: 2024-25 CIP, Page 155, Sidewalks - School and Priority Routes, SW081, G.O. Bonds

SLN_{pw}

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
BOESEN				
COLEMAN				
GATTO				
MANDELBAUM				
SIMONSON				
VOSS				
WESTERGAARD				
TOTAL				
MOTION CARRIED			APPROVED	
_____ Mayor				

CERTIFICATE

I, Laura Baumgartner, City Clerk of said City hereby certify that at a meeting of the City Council of said City of Des Moines, held on the above date, among other proceedings the above was adopted.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal the day and year first above written.

City Clerk

DEPARTMENT OF ENGINEERING
CITY OF DES MOINES, IOWA

Activity ID 09-2022-006

BID DATE: 11/5/2024

TABULATED BY: N. Smith APPROVED BY: Phillip J. Wagon
CHECKED BY: Paul Burdick

MPS Engineers, P.C. dba
Kingston Services, P.C.
Des Moines, IA

TK Concrete, Inc.
Pella, IA

Caliber Concrete, LLC
Adair, IA

CONTRACTOR'S BID TABULATION
PROJECT: 2025 NEIGHBORHOOD SIDEWALK PROGRAM

BID SECURITY
10% Bid Bond

BID SECURITY
10% Bid Bond

BID SECURITY
10% Bid Bond

BID PRICE

BID PRICE

BID PRICE

-----ESTIMATE-----

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
0001	CLEARING AND GRUBBING	722 UNIT	\$40.00	\$28,880.00	\$38.00	\$27,436.00	\$52.50	\$37,905.00	\$69.74	\$50,352.28
0002	TOPSOIL, ON-SITE	900 CY	\$25.00	\$22,500.00	\$24.00	\$21,600.00	\$12.00	\$10,800.00	\$70.00	\$63,000.00
0003	EXCAVATION, CLASS 13	500 CY	\$25.00	\$12,500.00	\$24.00	\$12,000.00	\$20.00	\$10,000.00	\$70.00	\$35,000.00
0004	SUBBASE, MOD, 6 INCH	362 SY	\$15.00	\$5,430.00	\$16.00	\$5,792.00	\$17.50	\$6,335.00	\$17.01	\$6,157.62
0005	WATER SERVICE, NEW	4 EA	\$4,000.00	\$16,000.00	\$3,500.00	\$14,000.00	\$3,750.00	\$15,000.00	\$4,125.00	\$16,500.00
0006	RELOCATION OF WATER SERVICE	4 EA	\$3,500.00	\$14,000.00	\$3,000.00	\$12,000.00	\$3,000.00	\$12,000.00	\$3,550.00	\$14,200.00
0007	CHECK DEPTH OF WATER SERVICE	4 EA	\$500.00	\$2,000.00	\$100.00	\$400.00	\$500.00	\$2,000.00	\$550.00	\$2,200.00
0008	VALVE BOX ADJUSTMENT, MINOR	5 EA	\$1,000.00	\$5,000.00	\$500.00	\$2,500.00	\$1,000.00	\$5,000.00	\$1,200.00	\$6,000.00
0009	CURB STOP ADJUSTMENT	43 EA	\$500.00	\$21,500.00	\$175.00	\$7,525.00	\$375.00	\$16,125.00	\$385.00	\$16,555.00
0010	MANHOLE ADJUSTMENT, MINOR	3 EA	\$2,000.00	\$6,000.00	\$1,700.00	\$5,100.00	\$2,000.00	\$6,000.00	\$1,980.00	\$5,940.00
0011	INTAKE ADJUSTMENT, MINOR	1 EA	\$2,000.00	\$2,000.00	\$1,700.00	\$1,700.00	\$2,000.00	\$2,000.00	\$1,375.00	\$1,375.00
0012	MANHOLE ADJUSTMENT, MAJOR	2 EA	\$4,000.00	\$8,000.00	\$2,600.00	\$5,200.00	\$3,750.00	\$7,500.00	\$4,730.00	\$9,460.00
0013	PAVEMENT, PCC, 8 INCH	117 SY	\$80.00	\$9,360.00	\$92.00	\$10,764.00	\$100.00	\$11,700.00	\$104.52	\$12,228.84
0014	CURB AND GUTTER, 2 FOOT, 8 INCH	898 LF	\$45.00	\$40,410.00	\$33.50	\$30,083.00	\$35.00	\$31,430.00	\$45.94	\$41,254.12
0015	CURB AND GUTTER, 2.5 FOOT, 8 INCH	315 LF	\$50.00	\$15,750.00	\$37.00	\$11,655.00	\$45.00	\$14,175.00	\$49.53	\$15,601.95
0016	CURB AND GUTTER, 3 FOOT, 8 INCH	13 LF	\$60.00	\$780.00	\$40.00	\$520.00	\$100.00	\$1,000.00	\$55.00	\$715.00
0017	REMOVAL OF SIDEWALK	214 SY	\$15.00	\$3,210.00	\$12.00	\$2,568.00	\$15.00	\$3,210.00	\$11.00	\$2,354.00
0018	REMOVAL OF DRIVEWAY	2147 SY	\$15.00	\$32,205.00	\$10.00	\$21,470.00	\$10.00	\$21,470.00	\$11.00	\$23,617.00
0019	SIDEWALK, PCC, 4 INCH	3400 SY	\$65.00	\$221,000.00	\$47.00	\$159,800.00	\$70.00	\$238,000.00	\$72.65	\$247,010.00
0020	SIDEWALK, PCC, 6 INCH	1620 SY	\$70.00	\$113,400.00	\$62.00	\$100,440.00	\$85.00	\$137,700.00	\$84.83	\$137,424.60
0021	SIDEWALK, REINFORCED PCC, 6 INCH	20 SY	\$100.00	\$2,000.00	\$75.00	\$1,500.00	\$125.00	\$2,500.00	\$116.15	\$2,323.00
0022	DETECTABLE WARNING	337 SF	\$60.00	\$20,220.00	\$60.00	\$20,220.00	\$45.00	\$15,165.00	\$55.00	\$18,535.00
0023	DRIVEWAY, PAVED, PCC, 6 INCH	1582 SY	\$65.00	\$102,830.00	\$64.00	\$101,248.00	\$67.50	\$106,785.00	\$71.78	\$113,555.96
0024	PAVEMENT REMOVAL	108 SY	\$18.00	\$1,944.00	\$18.00	\$1,944.00	\$25.00	\$2,700.00	\$9.00	\$972.00
0025	CURB AND GUTTER REMOVAL	924 LF	\$18.00	\$16,632.00	\$16.00	\$14,784.00	\$10.00	\$9,240.00	\$9.00	\$8,316.00
0026	REMOVE AND REINSTALL TRAFFIC SIGNS	7 EA	\$500.00	\$3,500.00	\$500.00	\$3,500.00	\$475.00	\$3,325.00	\$250.00	\$1,750.00
0027	TEMPORARY TRAFFIC CONTROL	1 LS	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$23,000.00	\$23,000.00	\$30,000.00	\$30,000.00
0028	PORTABLE DYNAMIC MESSAGE BOARDS	100 CDAY	\$125.00	\$12,500.00	\$125.00	\$12,500.00	\$150.00	\$15,000.00	\$250.00	\$25,000.00
0029	SOD WATERING	188 MGAL	\$60.00	\$11,280.00	\$1.00	\$188.00	\$82.50	\$15,510.00	\$80.00	\$15,040.00
0030	SOD	789 SQ	\$110.00	\$86,790.00	\$110.00	\$86,790.00	\$65.00	\$51,285.00	\$65.00	\$51,285.00
0031	WATTLE, STRAW, 9 INCH	13498 LF	\$3.00	\$40,494.00	\$1.00	\$13,498.00	\$3.00	\$40,494.00	\$2.25	\$30,370.50
0032	EROISION CONTROL MULCHING, HYDRO MULCHING INLET PROTECTION DEVICE, INSTALL, MAINTAIN, REMOVE	4 AC	\$3,500.00	\$14,000.00	\$1,250.00	\$5,000.00	\$1,750.00	\$7,000.00	\$2,250.00	\$9,000.00
0033	REMOVE	27 EA	\$250.00	\$6,750.00	\$100.00	\$2,700.00	\$190.00	\$5,130.00	\$175.00	\$4,725.00
0034	REMOVAL OF FENCE	45 LF	\$5.00	\$225.00	\$5.00	\$225.00	\$20.00	\$900.00	\$20.00	\$900.00
0035	REMOVE AND RESET FENCE	237 LF	\$50.00	\$11,850.00	\$50.00	\$11,850.00	\$12.00	\$2,844.00	\$40.00	\$9,480.00
0036	MODULAR BLOCK RETAINING WALL	3553 SF	\$50.00	\$177,650.00	\$39.00	\$138,567.00	\$44.00	\$156,332.00	\$43.50	\$154,555.50
0037	MODIFICATION OF EXISTING RETAINING WALL	75 SF	\$40.00	\$3,000.00	\$60.00	\$4,500.00	\$60.00	\$4,500.00	\$85.00	\$6,375.00
0038	CONCRETE STEPS	24 SF	\$200.00	\$4,800.00	\$140.00	\$3,360.00	\$125.00	\$3,000.00	\$50.00	\$1,200.00

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT</u>		<u>UNIT</u>		<u>UNIT</u>		<u>UNIT</u>	
			<u>PRICE</u>	<u>AMOUNT</u>	<u>PRICE</u>	<u>AMOUNT</u>	<u>PRICE</u>	<u>AMOUNT</u>	<u>PRICE</u>	<u>AMOUNT</u>
0039	HANDRAIL, STEEL	18 LF	\$250.00	\$4,500.00	\$250.00	\$4,500.00	\$250.00	\$4,500.00	\$200.00	\$3,600.00
0040	CONSTRUCTION SURVEY	1 AL	\$36,000.00	\$36,000.00	\$36,000.00	\$36,000.00	\$36,000.00	\$36,000.00	\$36,000.00	\$36,000.00
0041	MOBILIZATION	1 LS	\$122,810.00	\$122,810.00	\$194,598.00	\$194,598.00	\$60,000.00	\$60,000.00	\$54,975.00	\$54,975.00
0042	MAINTENANCE OF POSTAL SERVICE	1 LS	\$6,000.00	\$6,000.00	\$1,250.00	\$1,250.00	\$1,500.00	\$1,500.00	\$5,000.00	\$5,000.00
0043	MAINTENANCE OF SOLID WASTE COLLECTION	1 LS	\$6,000.00	\$6,000.00	\$6,000.00	\$6,000.00	\$2,500.00	\$2,500.00	\$5,000.00	\$5,000.00
0044	TEMPORARY GRANULAR SURFACE	375 SY	\$16.00	\$6,000.00	\$16.00	\$6,000.00	\$17.00	\$6,375.00	\$20.00	\$7,500.00
0045	CONCRETE WASHOUT	1 LS	\$3,500.00	\$3,500.00	\$3,500.00	\$3,500.00	\$5,500.00	\$5,500.00	\$5,000.00	\$5,000.00
0046	TREE PROTECTION	1 LS	\$5,000.00	\$5,000.00	\$500.00	\$500.00	\$1,000.00	\$1,000.00	\$10,000.00	\$10,000.00
0047	TREE PROTECTION FENCING REMOVE AND SALVAGE ITEMS TO PROPERTY OWNERS	1960 LF	\$5.00	\$9,800.00	\$5.00	\$9,800.00	\$4.50	\$8,820.00	\$5.00	\$9,800.00
0048	OWNERS	1 LS	\$7,500.00	\$7,500.00	\$4,250.00	\$4,250.00	\$4,000.00	\$4,000.00	\$5,000.00	\$5,000.00
0049	CHECK DEPTH OF GAS SERVICE	73 EA	\$500.00	\$36,500.00	\$50.00	\$3,650.00	\$150.00	\$10,950.00	\$500.00	\$36,500.00
TOTAL CONSTRUCTION COST				\$1,370,000.00		\$1,174,975.00		\$1,195,505.00		\$1,368,703.37
PERCENT OF ENGINEER'S ESTIMATE						-14.24%		-12.74%		-0.09%
						Low				

BID DATE: 11/5/2024

TABULATED BY: N. Smith APPROVED BY: *Phillip J. Wagon*
CHECKED BY: *Rand Burchman*

CONTRACTOR'S BID TABULATION
PROJECT: 2025 NEIGHBORHOOD SIDEWALK PROGRAM

Brothers Cleaning Corporation dba Brothers Des Moines, IA	Ti-Zack Concrete, Inc. Le Center, MN	C-2 Creative Concrete, LLC Dekalb, IL
BID SECURITY 10% Bid Bond	BID SECURITY 10% Bid Bond	BID SECURITY 10% Bid Bond
BID PRICE	BID PRICE	BID PRICE

-----ESTIMATE-----

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
0001	CLEARING AND GRUBBING	722 UNIT	\$40.00	\$28,880.00	\$25.00	\$18,050.00	\$77.00	\$55,594.00		
0002	TOPSOIL, ON-SITE	900 CY	\$25.00	\$22,500.00	\$50.00	\$45,000.00	\$52.83	\$47,547.00		
0003	EXCAVATION, CLASS 13	500 CY	\$25.00	\$12,500.00	\$25.00	\$12,500.00	\$67.49	\$33,745.00		
0004	SUBBASE, MOD, 6 INCH	362 SY	\$15.00	\$5,430.00	\$18.00	\$6,516.00	\$18.64	\$6,747.68		
0005	WATER SERVICE, NEW	4 EA	\$4,000.00	\$16,000.00	\$8,500.00	\$34,000.00	\$2,750.00	\$11,000.00		
0006	RELOCATION OF WATER SERVICE	4 EA	\$3,500.00	\$14,000.00	\$2,850.00	\$11,400.00	\$2,750.00	\$11,000.00		
0007	CHECK DEPTH OF WATER SERVICE	4 EA	\$500.00	\$2,000.00	\$250.00	\$1,000.00	\$275.00	\$1,100.00		
0008	VALVE BOX ADJUSTMENT, MINOR	5 EA	\$1,000.00	\$5,000.00	\$1,250.00	\$6,250.00	\$404.93	\$2,024.65		
0009	CURB STOP ADJUSTMENT	43 EA	\$500.00	\$21,500.00	\$850.00	\$36,550.00	\$313.90	\$13,497.70		
0010	MANHOLE ADJUSTMENT, MINOR	3 EA	\$2,000.00	\$6,000.00	\$2,250.00	\$6,750.00	\$2,249.60	\$6,748.80		
0011	INTAKE ADJUSTMENT, MINOR	1 EA	\$2,000.00	\$2,000.00	\$2,250.00	\$2,250.00	\$3,374.40	\$3,374.40		
0012	MANHOLE ADJUSTMENT, MAJOR	2 EA	\$4,000.00	\$8,000.00	\$5,850.00	\$11,700.00	\$2,750.00	\$5,500.00		
0013	PAVEMENT, PCC, 8 INCH	117 SY	\$80.00	\$9,360.00	\$115.00	\$13,455.00	\$137.39	\$16,074.63		
0014	CURB AND GUTTER, 2 FOOT, 8 INCH	898 LF	\$45.00	\$40,410.00	\$45.00	\$40,410.00	\$60.91	\$54,697.18		
0015	CURB AND GUTTER, 2.5 FOOT, 8 INCH	315 LF	\$50.00	\$15,750.00	\$50.00	\$15,750.00	\$70.04	\$22,062.60		
0016	CURB AND GUTTER, 3 FOOT, 8 INCH	13 LF	\$60.00	\$780.00	\$120.00	\$1,560.00	\$84.05	\$1,092.65		
0017	REMOVAL OF SIDEWALK	214 SY	\$15.00	\$3,210.00	\$18.00	\$3,852.00	\$31.54	\$6,749.56		
0018	REMOVAL OF DRIVEWAY	2147 SY	\$15.00	\$32,205.00	\$18.00	\$38,646.00	\$31.43	\$67,480.21		
0019	SIDEWALK, PCC, 4 INCH	3400 SY	\$65.00	\$221,000.00	\$62.50	\$212,500.00	\$66.64	\$226,576.00		
0020	SIDEWALK, PCC, 6 INCH	1620 SY	\$70.00	\$113,400.00	\$72.50	\$117,450.00	\$100.31	\$162,502.20		
0021	SIDEWALK, REINFORCED PCC, 6 INCH	20 SY	\$100.00	\$2,000.00	\$240.00	\$4,800.00	\$100.31	\$2,006.20		
0022	DETECTABLE WARNING	337 SF	\$60.00	\$20,220.00	\$55.00	\$18,535.00	\$47.25	\$15,923.25		
0023	DRIVEWAY, PAVED, PCC, 6 INCH	1582 SY	\$65.00	\$102,830.00	\$72.50	\$114,695.00	\$100.31	\$158,690.42		
0024	PAVEMENT REMOVAL	108 SY	\$18.00	\$1,944.00	\$21.00	\$2,268.00	\$31.24	\$3,373.92		
0025	CURB AND GUTTER REMOVAL	924 LF	\$18.00	\$16,632.00	\$15.00	\$13,860.00	\$14.61	\$13,499.64		
0026	REMOVE AND REINSTALL TRAFFIC SIGNS	7 EA	\$500.00	\$3,500.00	\$550.00	\$3,850.00	\$275.00	\$1,925.00		
0027	TEMPORARY TRAFFIC CONTROL	1 LS	\$30,000.00	\$30,000.00	\$18,500.00	\$18,500.00	\$16,500.00	\$16,500.00		
0028	PORTABLE DYNAMIC MESSAGE BOARDS	100 CDAY	\$125.00	\$12,500.00	\$250.00	\$25,000.00	\$1.10	\$110.00		
0029	SOD WATERING	188 MGAL	\$60.00	\$11,280.00	\$40.00	\$7,520.00	\$1.10	\$206.80		
0030	SOD	789 SQ	\$110.00	\$86,790.00	\$125.00	\$98,625.00	\$110.00	\$86,790.00		
0031	WATTLE, STRAW, 9 INCH	13498 LF	\$3.00	\$40,494.00	\$2.50	\$33,745.00	\$2.75	\$37,119.50		
0032	EROISION CONTROL MULCHING, HYDRO MULCHING INLET PROTECTION DEVICE, INSTALL, MAINTAIN, REMOVE	4 AC	\$3,500.00	\$14,000.00	\$3,750.00	\$15,000.00	\$11,000.00	\$44,000.00		
0033	REMOVE	27 EA	\$250.00	\$6,750.00	\$150.00	\$4,050.00	\$110.00	\$2,970.00		
0034	REMOVAL OF FENCE	45 LF	\$5.00	\$225.00	\$25.00	\$1,125.00	\$11.00	\$495.00		
0035	REMOVE AND RESET FENCE	237 LF	\$50.00	\$11,850.00	\$55.00	\$13,035.00	\$27.50	\$6,517.50		
0036	MODULAR BLOCK RETAINING WALL	3553 SF	\$50.00	\$177,650.00	\$48.50	\$172,320.50	\$60.50	\$214,956.50		
0037	MODIFICATION OF EXISTING RETAINING WALL	75 SF	\$40.00	\$3,000.00	\$75.00	\$5,625.00	\$60.50	\$4,537.50		
0038	CONCRETE STEPS	24 SF	\$200.00	\$4,800.00	\$225.00	\$5,400.00	\$59.56	\$1,429.44		

Bid not read. Invalid Bid Bond Form was used.

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
0039	HANDRAIL, STEEL	18 LF	\$250.00	\$4,500.00	\$225.00	\$4,050.00	\$275.00	\$4,950.00		
0040	CONSTRUCTION SURVEY	1 AL	\$36,000.00	\$36,000.00	\$36,000.00	\$36,000.00	\$36,000.00	\$36,000.00		
0041	MOBILIZATION	1 LS	\$122,810.00	\$122,810.00	\$64,000.00	\$64,000.00	\$58,311.46	\$58,311.46		
0042	MAINTENANCE OF POSTAL SERVICE	1 LS	\$6,000.00	\$6,000.00	\$7,500.00	\$7,500.00	\$1,100.00	\$1,100.00		
0043	MAINTENANCE OF SOLID WASTE COLLECTION	1 LS	\$6,000.00	\$6,000.00	\$7,500.00	\$7,500.00	\$1,100.00	\$1,100.00		
0044	TEMPORARY GRANULAR SURFACE	375 SY	\$16.00	\$6,000.00	\$40.00	\$15,000.00	\$18.00	\$6,750.00		
0045	CONCRETE WASHOUT	1 LS	\$3,500.00	\$3,500.00	\$5,500.00	\$5,500.00	\$1,100.00	\$1,100.00		
0046	TREE PROTECTION	1 LS	\$5,000.00	\$5,000.00	\$10,000.00	\$10,000.00	\$1,100.00	\$1,100.00		
0047	TREE PROTECTION FENCING REMOVE AND SALVAGE ITEMS TO PROPERTY	1960 LF	\$5.00	\$9,800.00	\$5.50	\$10,780.00	\$1.10	\$2,156.00		
0048	OWNERS	1 LS	\$7,500.00	\$7,500.00	\$10,000.00	\$10,000.00	\$1,100.00	\$1,100.00		
0049	CHECK DEPTH OF GAS SERVICE	73 EA	\$500.00	\$36,500.00	\$250.00	\$18,250.00	\$275.00	\$20,075.00		
TOTAL CONSTRUCTION COST				\$1,370,000.00		\$1,382,122.50		\$1,499,907.39		
PERCENT OF ENGINEER'S ESTIMATE						+0.88%		+9.48%		