



DATE January 24, 2022

PUBLIC HEARING, APPROVING PLANS, SPECIFICATIONS, FORM OF CONTRACT DOCUMENTS, AND ENGINEER'S ESTIMATE ON PENNSYLVANIA AVENUE RECONSTRUCTION FROM NORTH OF E. UNIVERSITY AVENUE TO E. WASHINGTON AVENUE;  
RECEIVE AND FILE BIDS; AND DESIGNATION OF LOWEST RESPONSIVE, RESPONSIBLE BIDDER AS INROADS, LLC, JOSEPH J. MANATT, CEO, \$1,469,107.88

WHEREAS, on December 6, 2021, under Roll Call No. 21-1791, 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:

Pennsylvania Avenue Reconstruction from North of E. University Avenue to E. Washington Avenue, 062019022

The improvement includes Portland Cement Concrete (PCC) curb and gutter, 8.5-inch Hot Mix Asphalt (HMA) paving, cement treated subbase, PCC trail, PCC sidewalks, PCC driveways, earthwork and grading, pavement markings, water services, erosion control, restoration, and other incidental items; in accordance with the contract documents, including Plan File No. 636-211/273, located along Pennsylvania Avenue from north of E. University Avenue to E. Washington Avenue, Des Moines, Iowa

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 the 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:

- InRoads, LLC, Des Moines, IA Low Bid
- Grimes Asphalt and Paving Corporation, Des Moines, IA
- OMG Midwest, Inc. dba Des Moines Asphalt & Paving, Ankeny, IA
- Hawkeye Paving Corporation, Davenport, IA
- Jasper Construction Services, Inc., Newton, IA
- Synergy Contracting, LLC, Altoona, IA

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 December 21, 2021. Said bids and the attached tabulation of bids for said improvement be and are here by received and filed.



**Roll Call Number**

**Agenda Item Number**

34

DATE January 24, 2022

BE IT FURTHER RESOLVED: That the Des Moines City Engineer, as the Engineer, has determined that the lowest responsive, responsible bid for the construction of said improvement was submitted by InRoads, LLC, Joseph J. Manatt, CEO, 4224 Hubbell Avenue, Des Moines, IA, 50317 in the amount of \$1,469,107.88, and said bid be and the same is hereby accepted.

BE IT FURTHER RESOLVED: That the bid security of the unsuccessful bidders be and is hereby authorized and directed to be returned in accordance with the Instructions to Bidders.

BE IT FURTHER RESOLVED: That the Engineer is hereby directed to secure execution by the lowest responsible, responsive Bidder and its surety of the contract documents in the form heretofore approved by this Council; that the Engineer is directed to thereafter present said contract documents to this Council for approval and authorization to the Mayor to sign; and that no contract shall be deemed to exist between the City of Des Moines and said Bidder until said contract has been executed by the Bidder, and shall have been approved by this Council and executed by the Mayor and attested to by the City Clerk.

BE IT FURTHER RESOLVED: That the City Council hereby authorizes the necessary closure of all public grounds, streets, sidewalks, alleys, bridges, culverts, overpasses, underpasses, grade crossing separations and approaches, public ways, squares, and commons for the Project.

**(Council Communication No. 22-029)**

Moved by \_\_\_\_\_ to adopt.

FORM APPROVED:

FUNDS AVAILABLE

s/Kathleen Vanderpool

s/Nickolas J. Schaul

Kathleen Vanderpool  
Deputy City Attorney

Nickolas J. Schaul  
Director of Finance

Funding Source: 2021-2022 CIP, Page 143, LOSST Street Improvements, ST800, LOSST Monies

SLN<sup>pw</sup>

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
SHEUMAKER				
WESTERGAARD				
BOESEN				
VOSS				
MANDELBAUM				
GATTO				
TOTAL				
MOTION CARRIED				APPROVED

I, P. Kay Cmelik, City Clerk of said City Council, hereby certify that at a meeting of the City Council, 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.

\_\_\_\_\_  
Mayor

\_\_\_\_\_  
City Clerk

34

TABULATED BY: N Smith APPROVED BY P. Way  
CHECKED BY: Paul Buchanan

**CONTRACTOR'S BID TABULATION**  
PROJECT: PENNSYLVANIA AVEUE RECONSTRUCTION FROM NORTH OF E. UNIVERSITY AVENUE TO E. WASHINGTON AVENUE

-----ESTIMATE-----

ITEM	DESCRIPTION	QUANTITY	UNIT		AMOUNT	UNIT		UNIT		UNIT	
			PRICE	AMOUNT		PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
1	CLEARING & GRUBBING	1	ACRE	\$5,500.00	\$5,500.00	\$5,500.00	\$5,500.00	\$5,200.00	\$5,200.00	\$5,250.00	\$5,250.00
2	OFF-SITE TOPSOIL	200	CY	\$60.00	\$12,000.00	\$60.00	\$12,000.00	\$68.00	\$13,600.00	\$68.25	\$13,650.00
3	EXCAVATION, CLASS 10	1,275	CY	\$30.00	\$38,250.00	\$38.50	\$49,087.50	\$36.50	\$46,537.50	\$36.75	\$46,856.25
4	SUBGRADE TREATMENT, CEMENT	90	TON	\$200.00	\$18,000.00	\$546.25	\$49,162.50	\$495.00	\$44,550.00	\$563.77	\$50,739.30
5	INTAKE, SW-508	1	EACH	\$6,500.00	\$6,500.00	\$7,350.00	\$7,350.00	\$12,750.00	\$12,750.00	\$12,600.00	\$12,600.00
6	MANHOLE ADJUSTMENT, MINOR	20	EACH	\$1,500.00	\$30,000.00	\$2,156.00	\$43,120.00	\$2,100.00	\$42,000.00	\$2,100.00	\$42,000.00
7	INTAKE ADJUSTMENT, MINOR	5	EACH	\$2,500.00	\$12,500.00	\$3,150.00	\$15,750.00	\$2,100.00	\$10,500.00	\$2,100.00	\$10,500.00
8	REMOVE INTAKE	1	EACH	\$2,500.00	\$2,500.00	\$2,200.00	\$2,200.00	\$790.00	\$790.00	\$787.50	\$787.50
9	PAVEMENT, PCC, CLASS C, CLASS 3 DURABILITY, 8-INCH	300	SY	\$75.00	\$22,500.00	\$100.00	\$30,000.00	\$72.00	\$21,600.00	\$91.01	\$27,303.00
10	CURB AND GUTTER, 2.5 FT WIDTH, 8.5-INCH THICKNESS	2,250	LF	\$50.00	\$112,500.00	\$35.00	\$78,750.00	\$44.00	\$99,000.00	\$34.06	\$76,635.00
11	PAVEMENT, HMA, HIGH TRF (HT), BASE COURSE, 3/4 IN. MIX, PG 58-28S	1,550	TON	\$100.00	\$155,000.00	\$81.00	\$125,550.00	\$88.00	\$136,400.00	\$94.00	\$145,700.00
12	PAVEMENT, HMA, HIGH TRF (HT), INTERMEDIATE COURSE, 1/2 IN. MIX,	1,175	TON	\$100.00	\$117,500.00	\$84.00	\$98,700.00	\$82.00	\$96,350.00	\$96.00	\$112,800.00
13	PAVEMENT, HMA, HIGH TRF (HT), SURFACE COURSE, 1/2 IN. MIX, PG 58-	600	TON	\$110.00	\$66,000.00	\$81.00	\$48,600.00	\$92.00	\$55,200.00	\$116.00	\$69,600.00
14	HMA PAVEMENT SAMPLES AND TESTING	1	LS	\$4,000.00	\$4,000.00	\$1,500.00	\$1,500.00	\$1,100.00	\$1,100.00	\$675.00	\$675.00
15	REMOVAL OF SIDEWALKS	1440	SY	\$12.00	\$17,280.00	\$13.00	\$18,720.00	\$19.00	\$27,360.00	\$11.55	\$16,632.00
16	REMOVAL OF DRIVEWAYS	400	SY	\$12.00	\$4,800.00	\$13.00	\$5,200.00	\$19.00	\$7,600.00	\$14.70	\$5,880.00
17	SHARED USE PATH, PORTLAND CEMENT CONCRETE, 6 IN.	2,600	SY	\$75.00	\$195,000.00	\$53.00	\$137,800.00	\$57.00	\$148,200.00	\$54.75	\$142,350.00
18	SPECIAL COMPACTION OF SUBGRADE FOR SHARED USE PATH	3,800	SY	\$10.00	\$38,000.00	\$9.90	\$37,620.00	\$11.00	\$41,800.00	\$5.25	\$19,950.00
19	SIDEWALK, PCC, 5 IN.	10	SY	\$60.00	\$600.00	\$143.55	\$1,435.50	\$325.00	\$3,250.00	\$54.75	\$547.50
20	DETECTABLE WARNINGS, CAST IRON	180	SF	\$55.00	\$9,900.00	\$70.00	\$12,600.00	\$58.00	\$10,440.00	\$63.00	\$11,340.00
21	DRIVEWAY, PAVED, PCC, 6 IN.	475	SY	\$60.00	\$28,500.00	\$53.00	\$25,175.00	\$65.00	\$30,875.00	\$52.30	\$24,842.50
22	FULL-DEPTH PATCHES	100	SY	\$350.00	\$35,000.00	\$200.00	\$20,000.00	\$263.00	\$26,300.00	\$187.58	\$18,758.00
23	PAVEMENT REMOVAL	8,360	SY	\$20.00	\$167,200.00	\$24.25	\$202,730.00	\$16.00	\$133,760.00	\$19.45	\$162,602.00
24	PAINTED PAVEMENT MARKINGS, SOLVENT/WATERBORNE	25	STA	\$30.00	\$750.00	\$90.00	\$2,250.00	\$147.00	\$3,675.00	\$157.50	\$3,937.50
25	PAINTED PAVEMENT MARKINGS, DURABLE	25	STA	\$180.00	\$4,500.00	\$185.00	\$4,625.00	\$189.00	\$4,725.00	\$525.00	\$13,125.00
26	PERMANENT TAPE MARKINGS, PREFORMED POLYMER MARKING MATE	40	STA	\$550.00	\$22,000.00	\$525.00	\$21,000.00	\$895.00	\$35,800.00	\$608.91	\$24,356.40
27	PERMANENT TAPE MARKINGS, PREFORMED POLYMER MARKING MATE	40	STA	\$550.00	\$22,000.00	\$470.00	\$18,800.00	\$574.00	\$22,960.00	\$577.50	\$23,100.00
28	GROOVES CUT FOR PAVEMENT MARKINGS	40	STA	\$100.00	\$4,000.00	\$160.00	\$6,400.00	\$69.00	\$2,760.00	\$147.00	\$5,880.00
29	TEMPORARY TRAFFIC CONTROL	1	LS	\$65,000.00	\$65,000.00	\$60,000.00	\$60,000.00	\$24,800.00	\$24,800.00	\$44,100.00	\$44,100.00
30	SAFETY CLOSURE	10	EACH	\$200.00	\$2,000.00	\$182.00	\$1,820.00	\$211.00	\$2,110.00	\$157.50	\$1,575.00
31	HYDRAULIC SEEDING, SEEDING, FERTILIZING, AND MULCHING	1	ACRE	\$4,500.00	\$4,500.00	\$5,500.00	\$5,500.00	\$5,300.00	\$5,300.00	\$5,250.00	\$5,250.00
32	SODDING	280	SQ	\$80.00	\$22,400.00	\$49.50	\$13,860.00	\$89.00	\$24,920.00	\$102.63	\$28,736.40
33	FILTER SOCK, 9 IN. DIA.	500	LF	\$2.00	\$1,000.00	\$2.08	\$1,040.00	\$2.00	\$1,000.00	\$1.73	\$865.00
34	FILTER SOCK, REMOVAL	500	LF	\$0.50	\$250.00	\$1.05	\$525.00	\$0.50	\$250.00	\$0.37	\$185.00
35	SILT FENCE OR SILT FENCE DITCH CHECK	3000	LF	\$2.00	\$6,000.00	\$2.08	\$6,240.00	\$1.75	\$5,250.00	\$1.73	\$5,190.00
36	SILT FENCE OR SILT FENCE DITCH CHECK, REMOVAL OF SEDIMENT	3000	LF	\$1.00	\$3,000.00	\$0.26	\$780.00	\$0.25	\$750.00	\$0.05	\$150.00
37	SILT FENCE OR SILT FENCE DITCH CHECK, REMOVAL OF DEVICE	3,000	LF	\$0.50	\$1,500.00	\$0.26	\$780.00	\$0.25	\$750.00	\$0.05	\$150.00
38	INLET PROTECTION DEVICE, SEDIMENT FILTER BAG	10	EACH	\$200.00	\$2,000.00	\$98.80	\$988.00	\$183.00	\$1,830.00	\$183.75	\$1,837.50
39	INLET PROTECTION DEVICE, MAINTENANCE	10	EACH	\$30.00	\$300.00	\$10.40	\$104.00	\$52.00	\$520.00	\$52.50	\$525.00
40	EROSION CONTROL MULCHING, HYDROMULCHING	3	ACRE	\$2,500.00	\$7,500.00	\$2,600.00	\$7,800.00	\$2,400.00	\$7,200.00	\$2,415.00	\$7,245.00
41	CONCRETE STEPS, TYPE A	40	SF	\$75.00	\$3,000.00	\$105.00	\$4,200.00	\$105.00	\$4,200.00	\$78.75	\$3,150.00
42	MOBILIZATION	1	LS	\$101,470.00	\$101,470.00	\$80,000.00	\$80,000.00	\$74,850.00	\$74,850.00	\$58,575.20	\$58,575.20
43	MAINTENANCE OF POSTAL SERVICE	1	LS	\$5,000.00	\$5,000.00	\$3,991.00	\$3,991.00	\$2,600.00	\$2,600.00	\$525.00	\$525.00
44	MAINTENANCE OF SOILD WASTE COLLECTION	1	LS	\$5,000.00	\$5,000.00	\$2,494.38	\$2,494.38	\$2,600.00	\$2,600.00	\$9,205.34	\$9,205.34
45	CONCRETE WASHOUT	1	LS	\$4,000.00	\$4,000.00	\$1,850.00	\$1,850.00	\$2,800.00	\$2,800.00	\$1,575.00	\$1,575.00
46	TEMPORARY PAVEMENT	50	SY	\$50.00	\$2,500.00	\$65.00	\$3,250.00	\$335.00	\$16,750.00	\$185.30	\$9,265.00
47	TEMPORARY GRANULAR MATERIAL	200	TON	\$30.00	\$6,000.00	\$43.00	\$8,600.00	\$58.00	\$11,600.00	\$42.11	\$8,422.00
48	CLASS A CRUSHED STONE, SHOULDERS AND DRIVEWAYS	100	TON	\$35.00	\$3,500.00	\$43.00	\$4,300.00	\$58.00	\$5,800.00	\$31.05	\$3,105.00

ITEM	DESCRIPTION	QUANTITY	UNIT		AMOUNT	UNIT		AMOUNT	UNIT		AMOUNT
			PRICE	PRICE		PRICE	PRICE				
49	REMOVALS	1 LS	\$20,000.00		\$20,000.00	\$9,350.00	\$9,350.00	\$7,400.00	\$7,400.00	\$7,350.00	\$7,350.00
50	TREE TRIMMING	1 LS	\$3,000.00		\$3,000.00	\$3,000.00	\$3,000.00	\$4,800.00	\$4,800.00	\$2,195.37	\$2,195.37
51	MOWING	1 ACRE	\$300.00		\$300.00	\$550.00	\$550.00	\$521.00	\$521.00	\$525.00	\$525.00
52	REMOVE SIGN AND SIGN POST	10 EACH	\$125.00		\$1,250.00	\$100.00	\$1,000.00	\$263.00	\$2,630.00	\$262.50	\$2,625.00
53	FURNISH AND INSTALL SIGN	10 EACH	\$200.00		\$2,000.00	\$375.00	\$3,750.00	\$421.00	\$4,210.00	\$420.00	\$4,200.00
54	TEMPORARY TRAFFIC CONTROL SIGN	30 SF	\$40.00		\$1,200.00	\$30.00	\$900.00	\$27.00	\$810.00	\$26.25	\$787.50
55	PORTABLE DYNAMIC MESSAGE SIGN (PDMS)	100 CDAY	\$100.00		\$10,000.00	\$105.00	\$10,500.00	\$106.00	\$10,600.00	\$89.25	\$8,925.00
56	FLAGGER	10 EACH	\$605.00		\$6,050.00	\$605.00	\$6,050.00	\$550.00	\$5,500.00	\$515.00	\$5,150.00
57	MINOR ADJUSTMENT, UTILITY MANHOLE OR HANDHOLE	15 EACH	\$2,000.00		\$30,000.00	\$3,000.00	\$45,000.00	\$1,950.00	\$29,250.00	\$2,887.50	\$43,312.50
58	POTHOLE FOR GAS SERVICE	20 EACH	\$350.00		\$7,000.00	\$383.25	\$7,665.00	\$850.00	\$17,000.00	\$840.00	\$16,800.00
59	NEW STOP BOX HOUSING	15 EACH	\$400.00		\$6,000.00	\$472.50	\$7,087.50	\$750.00	\$11,250.00	\$735.00	\$11,025.00
60	NEW STOP BOX ROD	15 EACH	\$500.00		\$7,500.00	\$472.50	\$7,087.50	\$279.00	\$4,185.00	\$278.25	\$4,173.75
61	CHECK DEPTH OF WATER SERVICE	20 EACH	\$400.00		\$8,000.00	\$577.50	\$11,550.00	\$842.00	\$16,840.00	\$840.00	\$16,800.00
62	LOWER WATER SERVICE	5 EACH	\$600.00		\$3,000.00	\$1,050.00	\$5,250.00	\$4,750.00	\$23,750.00	\$4,725.00	\$23,625.00
63	LOWER WATER SERVICE WITH NEW 3/4" COPPER	3 EACH	\$2,500.00		\$7,500.00	\$3,150.00	\$9,450.00	\$4,750.00	\$14,250.00	\$4,725.00	\$14,175.00
64	WATER SERVICE TAP	10 EACH	\$3,000.00		\$30,000.00	\$2,940.00	\$29,400.00	\$1,600.00	\$16,000.00	\$1,575.00	\$15,750.00
65	ABANDON WATER SERVICE	3 EACH	\$2,000.00		\$6,000.00	\$2,340.00	\$7,020.00	\$2,000.00	\$6,000.00	\$1,995.00	\$5,985.00
66	TREE PROTECTION AND TEMPORARY FENCING	1,000 LF	\$5.00		\$5,000.00	\$5.25	\$5,250.00	\$3.00	\$3,000.00	\$2.63	\$2,630.00
67	TREE TRUNK PROTECTION	10 EACH	\$200.00		\$2,000.00	\$200.00	\$2,000.00	\$313.00	\$3,130.00	\$315.00	\$3,150.00
68	STORMWATER POLLUTION PREVENTION PLAN (SWPPP)	1 LS	\$6,000.00		\$6,000.00	\$7,500.00	\$7,500.00	\$7,300.00	\$7,300.00	\$7,350.00	\$7,350.00
TOTAL CONSTRUCTION COST					\$1,560,000.00		\$1,469,107.88		\$1,469,388.50		\$1,474,562.51
PERCENT OF ENGINEER'S ESTIMATE							-5.83%		-5.81%		-5.48%
							Low				

34

TABULATED BY: N Smith APPROVED BY P. Wagner  
CHECKED BY: \_\_\_\_\_

CONTRACTOR'S BID TABULATION  
PROJECT: PENNSYLVANIA AVEUE RECONSTRUCTION FROM NORTH OF E. UNIVERSITY AVENUE TO E. WASHINGTON AVENUE

ESTIMATE

ITEM	DESCRIPTION	QUANTITY	UNIT		Hawkeye Paving Corp Davenport, IA		Jasper Construction Services, Inc. Newton, IA		Synergy Contracting, LLC Des Moines, IA	
			PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
1	CLEARING & GRUBBING	1 ACRE	\$5,500.00	\$5,500.00	\$10,000.00	\$10,000.00	\$6,500.00	\$6,500.00	\$28,000.00	\$28,000.00
2	OFF-SITE TOPSOIL	200 CY	\$60.00	\$12,000.00	\$150.00	\$30,000.00	\$65.00	\$13,000.00	\$70.00	\$14,000.00
3	EXCAVATION, CLASS 10	1,275 CY	\$30.00	\$38,250.00	\$33.00	\$42,075.00	\$40.00	\$51,000.00	\$49.00	\$62,475.00
4	SUBGRADE TREATMENT, CEMENT	90 TON	\$200.00	\$18,000.00	\$625.00	\$56,250.00	\$525.00	\$47,250.00	\$475.00	\$42,750.00
5	INTAKE, SW-508	1 EACH	\$6,500.00	\$6,500.00	\$17,000.00	\$17,000.00	\$10,000.00	\$10,000.00	\$25,025.00	\$25,025.00
6	MANHOLE ADJUSTMENT, MINOR	20 EACH	\$1,500.00	\$30,000.00	\$3,700.00	\$74,000.00	\$2,000.00	\$40,000.00	\$1,540.00	\$30,800.00
7	INTAKE ADJUSTMENT, MINOR	5 EACH	\$2,500.00	\$12,500.00	\$4,200.00	\$21,000.00	\$2,500.00	\$12,500.00	\$1,750.00	\$8,750.00
8	REMOVE INTAKE	1 EACH	\$2,500.00	\$2,500.00	\$750.00	\$750.00	\$2,000.00	\$2,000.00	\$700.00	\$700.00
9	PAVEMENT, PCC, CLASS C, CLASS 3 DURABILITY, 8-INCH	300 SY	\$75.00	\$22,500.00	\$150.00	\$45,000.00	\$110.00	\$33,000.00	\$105.00	\$31,500.00
10	CURB AND GUTTER, 2.5 FT WIDTH, 8.5-INCH THICKNESS	2,250 LF	\$50.00	\$112,500.00	\$55.00	\$123,750.00	\$42.00	\$94,500.00	\$42.00	\$94,500.00
11	PAVEMENT, HMA, HIGH TRF (HT), BASE COURSE, 3/4 IN. MIX, PG 58-28S	1,550 TON	\$100.00	\$155,000.00	\$87.00	\$134,850.00	\$100.00	\$155,000.00	\$86.00	\$133,300.00
12	PAVEMENT, HMA, HIGH TRF (HT), INTERMEDIATE COURSE, 1/2 IN. MIX,	1,175 TON	\$100.00	\$117,500.00	\$90.00	\$105,750.00	\$90.00	\$105,750.00	\$86.00	\$101,050.00
13	PAVEMENT, HMA, HIGH TRF (HT), SURFACE COURSE, 1/2 IN. MIX, PG 58-	600 TON	\$110.00	\$66,000.00	\$95.00	\$57,000.00	\$90.00	\$54,000.00	\$86.00	\$51,600.00
14	HMA PAVEMENT SAMPLES AND TESTING	1 LS	\$4,000.00	\$4,000.00	\$3,000.00	\$3,000.00	\$1,000.00	\$1,000.00	\$2,000.00	\$2,000.00
15	REMOVAL OF SIDEWALKS	1440 SY	\$12.00	\$17,280.00	\$14.00	\$20,160.00	\$20.00	\$28,800.00	\$14.00	\$20,160.00
16	REMOVAL OF DRIVEWAYS	400 SY	\$12.00	\$4,800.00	\$11.00	\$4,400.00	\$20.00	\$8,000.00	\$14.00	\$5,600.00
17	SHARED USE PATH, PORTLAND CEMENT CONCRETE, 6 IN.	2,600 SY	\$75.00	\$195,000.00	\$77.00	\$200,200.00	\$80.00	\$208,000.00	\$77.00	\$200,200.00
18	SPECIAL COMPACTION OF SUBGRADE FOR SHARED USE PATH	3,800 SY	\$10.00	\$38,000.00	\$2.00	\$7,600.00	\$10.00	\$38,000.00	\$7.00	\$26,600.00
19	SIDEWALK, PCC, 5 IN.	10 SY	\$60.00	\$600.00	\$160.00	\$1,600.00	\$80.00	\$800.00	\$70.00	\$700.00
20	DETECTABLE WARNINGS, CAST IRON	180 SF	\$55.00	\$9,900.00	\$75.00	\$13,500.00	\$60.00	\$10,800.00	\$77.00	\$13,860.00
21	DRIVEWAY, PAVED, PCC, 6 IN.	475 SY	\$60.00	\$28,500.00	\$90.00	\$42,750.00	\$80.00	\$38,000.00	\$77.00	\$36,575.00
22	FULL-DEPTH PATCHES	100 SY	\$350.00	\$35,000.00	\$165.00	\$16,500.00	\$200.00	\$20,000.00	\$210.00	\$21,000.00
23	PAVEMENT REMOVAL	8,360 SY	\$20.00	\$167,200.00	\$8.00	\$66,880.00	\$20.00	\$167,200.00	\$14.00	\$117,040.00
24	PAINTED PAVEMENT MARKINGS, SOLVENT/WATERBORNE	25 STA	\$30.00	\$750.00	\$85.00	\$2,125.00	\$155.00	\$3,875.00	\$119.00	\$2,975.00
25	PAINTED PAVEMENT MARKINGS, DURABLE	25 STA	\$180.00	\$4,500.00	\$175.00	\$4,375.00	\$200.00	\$5,000.00	\$245.00	\$6,125.00
26	PERMANENT TAPE MARKINGS, PREFORMED POLYMER MARKING MATE	40 STA	\$550.00	\$22,000.00	\$510.00	\$20,400.00	\$940.00	\$37,600.00	\$714.00	\$28,560.00
27	PERMANENT TAPE MARKINGS, PREFORMED POLYMER MARKING MATE	40 STA	\$550.00	\$22,000.00	\$450.00	\$18,000.00	\$600.00	\$24,000.00	\$630.00	\$25,200.00
28	GROOVES CUT FOR PAVEMENT MARKINGS	40 STA	\$100.00	\$4,000.00	\$155.00	\$6,200.00	\$73.00	\$2,920.00	\$217.00	\$8,680.00
29	TEMPORARY TRAFFIC CONTROL	1 LS	\$65,000.00	\$65,000.00	\$60,000.00	\$60,000.00	\$26,000.00	\$26,000.00	\$53,200.00	\$53,200.00
30	SAFETY CLOSURE	10 EACH	\$200.00	\$2,000.00	\$200.00	\$2,000.00	\$220.00	\$2,200.00	\$245.00	\$2,450.00
31	HYDRAULIC SEEDING, SEEDING, FERTILIZING, AND MULCHING	1 ACRE	\$4,500.00	\$4,500.00	\$5,000.00	\$5,000.00	\$6,000.00	\$6,000.00	\$7,000.00	\$7,000.00
32	SODDING	280 SQ	\$80.00	\$22,400.00	\$85.00	\$23,800.00	\$50.00	\$14,000.00	\$119.00	\$33,320.00
33	FILTER SOCK, 9 IN. DIA.	500 LF	\$2.00	\$1,000.00	\$1.50	\$750.00	\$2.25	\$1,125.00	\$2.00	\$1,000.00
34	FILTER SOCK, REMOVAL	500 LF	\$0.50	\$250.00	\$0.10	\$50.00	\$1.25	\$625.00	\$1.00	\$500.00
35	SILT FENCE OR SILT FENCE DITCH CHECK	3000 LF	\$2.00	\$6,000.00	\$1.50	\$4,500.00	\$2.25	\$6,750.00	\$2.00	\$6,000.00
36	SILT FENCE OR SILT FENCE DITCH CHECK, REMOVAL OF SEDIMENT	3000 LF	\$1.00	\$3,000.00	\$0.10	\$300.00	\$0.25	\$750.00	\$0.25	\$750.00
37	SILT FENCE OR SILT FENCE DITCH CHECK, REMOVAL OF DEVICE	3,000 LF	\$0.50	\$1,500.00	\$0.10	\$300.00	\$0.25	\$750.00	\$0.25	\$750.00
38	INLET PROTECTION DEVICE, SEDIMENT FILTER BAG	10 EACH	\$200.00	\$2,000.00	\$150.00	\$1,500.00	\$150.00	\$1,500.00	\$245.00	\$2,450.00
39	INLET PROTECTION DEVICE, MAINTENANCE	10 EACH	\$30.00	\$300.00	\$50.00	\$500.00	\$5.00	\$50.00	\$70.00	\$700.00
40	EROSION CONTROL MULCHING, HYDROMULCHING	3 ACRE	\$2,500.00	\$7,500.00	\$2,300.00	\$6,900.00	\$2,500.00	\$7,500.00	\$3,220.00	\$9,660.00
41	CONCRETE STEPS, TYPE A	40 SF	\$75.00	\$3,000.00	\$85.00	\$3,400.00	\$175.00	\$7,000.00	\$700.00	\$28,000.00
42	MOBILIZATION	1 LS	\$101,470.00	\$101,470.00	\$125,000.00	\$125,000.00	\$175,000.00	\$175,000.00	\$225,260.00	\$225,260.00
43	MAINTENANCE OF POSTAL SERVICE	1 LS	\$5,000.00	\$5,000.00	\$500.00	\$500.00	\$7,500.00	\$7,500.00	\$7,000.00	\$7,000.00
44	MAINTENANCE OF SOILD WASTE COLLECTION	1 LS	\$5,000.00	\$5,000.00	\$500.00	\$500.00	\$7,500.00	\$7,500.00	\$7,000.00	\$7,000.00
45	CONCRETE WASHOUT	1 LS	\$4,000.00	\$4,000.00	\$1,500.00	\$1,500.00	\$6,000.00	\$6,000.00	\$5,600.00	\$5,600.00
46	TEMPORARY PAVEMENT	50 SY	\$50.00	\$2,500.00	\$105.00	\$5,250.00	\$85.00	\$4,250.00	\$280.00	\$14,000.00
47	TEMPORARY GRANULAR MATERIAL	200 TON	\$30.00	\$6,000.00	\$47.00	\$9,400.00	\$50.00	\$10,000.00	\$42.00	\$8,400.00
48	CLASS A CRUSHED STONE, SHOULDERS AND DRIVEWAYS	100 TON	\$35.00	\$3,500.00	\$47.00	\$4,700.00	\$50.00	\$5,000.00	\$42.00	\$4,200.00

ITEM	DESCRIPTION	QUANTITY	UNIT		AMOUNT	UNIT		AMOUNT	UNIT		AMOUNT
			PRICE			PRICE			PRICE		
49	REMOVALS	1 LS	\$20,000.00		\$20,000.00	\$10,000.00		\$10,000.00	\$15,000.00		\$15,000.00
50	TREE TRIMMING	1 LS	\$3,000.00		\$3,000.00	\$2,000.00		\$2,000.00	\$3,000.00		\$3,000.00
51	MOWING	1 ACRE	\$300.00		\$300.00	\$500.00		\$500.00	\$1,000.00		\$1,000.00
52	REMOVE SIGN AND SIGN POST	10 EACH	\$125.00		\$1,250.00	\$100.00		\$1,000.00	\$275.00		\$2,750.00
53	FURNISH AND INSTALL SIGN	10 EACH	\$200.00		\$2,000.00	\$400.00		\$4,000.00	\$385.00		\$3,850.00
54	TEMPORARY TRAFFIC CONTROL SIGN	30 SF	\$40.00		\$1,200.00	\$30.00		\$900.00	\$33.00		\$990.00
55	PORTABLE DYNAMIC MESSAGE SIGN (PDMS)	100 CDAY	\$100.00		\$10,000.00	\$100.00		\$10,000.00	\$75.00		\$7,500.00
56	FLAGGER	10 EACH	\$605.00		\$6,050.00	\$550.00		\$5,500.00	\$605.00		\$6,050.00
57	MINOR ADJUSTMENT, UTILITY MANHOLE OR HANDHOLE	15 EACH	\$2,000.00		\$30,000.00	\$500.00		\$7,500.00	\$1,000.00		\$15,000.00
58	POTHOLE FOR GAS SERVICE	20 EACH	\$350.00		\$7,000.00	\$800.00		\$16,000.00	\$300.00		\$6,000.00
59	NEW STOP BOX HOUSING	15 EACH	\$400.00		\$6,000.00	\$700.00		\$10,500.00	\$600.00		\$9,000.00
60	NEW STOP BOX ROD	15 EACH	\$500.00		\$7,500.00	\$265.00		\$3,975.00	\$600.00		\$9,000.00
61	CHECK DEPTH OF WATER SERVICE	20 EACH	\$400.00		\$8,000.00	\$800.00		\$16,000.00	\$300.00		\$6,000.00
62	LOWER WATER SERVICE	5 EACH	\$600.00		\$3,000.00	\$4,500.00		\$22,500.00	\$2,000.00		\$10,000.00
63	LOWER WATER SERVICE WITH NEW 3/4" COPPER	3 EACH	\$2,500.00		\$7,500.00	\$4,500.00		\$13,500.00	\$2,500.00		\$7,500.00
64	WATER SERVICE TAP	10 EACH	\$3,000.00		\$30,000.00	\$1,500.00		\$15,000.00	\$3,500.00		\$35,000.00
65	ABANDON WATER SERVICE	3 EACH	\$2,000.00		\$6,000.00	\$1,900.00		\$5,700.00	\$2,500.00		\$7,500.00
66	TREE PROTECTION AND TEMPORARY FENCING	1,000 LF	\$5.00		\$5,000.00	\$2.00		\$2,000.00	\$5.00		\$5,000.00
67	TREE TRUNK PROTECTION	10 EACH	\$200.00		\$2,000.00	\$300.00		\$3,000.00	\$400.00		\$4,000.00
68	STORMWATER POLLUTION PREVENTION PLAN (SWPPP)	1 LS	\$6,000.00		\$6,000.00	\$7,000.00		\$7,000.00	\$9,000.00		\$9,000.00
TOTAL CONSTRUCTION COST					\$1,560,000.00		\$1,557,540.00		\$1,671,135.00		\$1,786,250.00
PERCENT OF ENGINEER'S ESTIMATE							-0.16%		+13.75%		+21.14%