

Agenda Item Number

DATE February 7, 2022

PUBLIC HEARING, APPROVING PLANS, SPECIFICATIONS, FORM OF CONTRACT DOCUMENTS, AND ENGINEER'S ESTIMATE ON INGERSOLL AVENUE STREETSCAPE FROM 28TH STREET TO M.L. KING JR. PARKWAY (SOUTH SIDE); RECEIVE AND FILE BIDS; AND DESIGNATION OF LOWEST RESPONSIVE, RESPONSIBLE BIDDER AS JASPER CONSTRUCTION SERVICES, INC., CLIFF RHOADS, PRESIDENT, \$5,258,518.95

WHEREAS, on December 20, 2021, under Roll Call No. 21-1886, 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:

Ingersoll Avenue Streetscape from 28th Street to M.L. King Jr. Parkway (South Side), 042022004

The improvement includes construction of Portland Cement Concrete (PCC) sidewalks, driveways, pavement, colored concrete, and Hot Mix Asphalt (HMA) paving, together with the necessary removals, earthwork, clearing and grubbing, erosion control, subdrains, storm sewers, traffic control, traffic signals, conduit, site furnishings, plantings, permeable pavers, and surface restoration; all in accordance with the contract documents, including Plan File No. 638-001/196, on Ingersoll Avenue from 28th Street to M.L. King Jr. Parkway (south side), 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:

Jasper Construction Services, Inc., Newton, IA Low Bid Hawkeye Paving Corporation, Davenport, IA Synergy Contracting, LLC, Altoona, IA Rognes Corp., Ankeny, 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 January 25, 2022. Said bids and the attached tabulation of bids for said improvement be and are hereby received and filed.

1

1



February 7, 2022 DATE

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 Jasper Construction Services, Inc., Cliff Rhoads, President, 928 N 19th Avenue East, Newton, IA, 50208 in the amount of \$5,258,518.95, 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.

to adopt. Moved by

(Council Communication No. 22.045)

FORM APPROVED:

s/Kathleen Vanderpool

Kathleen Vanderpool Deputy City Attorney s/Nickolas J. Schaul

Nickolas J. Schaul Director of Finance

FUNDS AVAILABLE

Funding Source: 2021-2022 CIP, Page 128, Ingersoll Streetscape, ST276, TIF-Backed G. O. Bonds

YEAS	NAYS	PASS	ABSENT	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.
	11			
			APPROVED	
			Mayo	r City Clerk
	YEAS	YEAS NAYS	YEAS NAYS PASS Image: Stress	Image: Street of the street

2

DEPARTMENT OF ENGINEERING CITY OF DES MOINES, IOWA

Activity ID 04-2022-004

	DES MOINES, IOWA	, loung 12										1
		BID DATE	: 01/25/2022		loopor C	opetruction						
	TED BY: N. Smith APPROVED BY P. Wagem					es, Inc.	Hawkeve I	Paving Corp	Svnerav Cor	tracting, LLC.	Rognes	Corp.
	ED BY: C. Kuhl					ion, IA		port, IA		oines, IA	Anken	
0112011												
	CONTRACTOR'S BID TABULATION PROJECT: INGERSOLL AVENUE STREETSCAPE FROM 28TH STREET TO M.L. KING JR. PARKWAY (SOUTH					CURITY	BID SECURITY		BID SECURITY		BID SEC	URITY
PROJEC	(SOUTH SIDE)	REET TO M.L. KI	NG JR. PARK	WAY (SOUTH		0%		0%		0%	109	
	(SOUTH SIDE)					PRICE		PRICE		PRICE	BID PF	
			UNIT		UNIT		UNIT		UNIT		UNIT	
ITEM	DESCRIPTION	QUANTITY	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
0001	CLEARING AND GRUBBING	88.2 UNIT	\$125.00	\$11,025.00	\$100.00	\$8,820.00	\$100.00 \$180.00	\$8,820.00 \$18,000.00	\$300.00 \$15.00	\$26,460.00 \$1,500.00	\$246.00 \$149.00	\$21,697.20 \$14,900.00
0002	TOPSOIL, ON-SITE	100 CY 7013 CY	\$20.00 \$40.00	\$2,000.00 \$280,520.00	\$40.00 \$40.00	\$4,000.00 \$280,520.00	\$30.00	\$210,390.00	\$30.00	\$210,390.00	\$70.00	\$490,910.00
0003 0004	EXCAVATION, CLASS 10, WASTE SUBGRADE PREPARATION, 6"	9080 SY	\$6.00	\$54,480.00	\$7.50	\$68,100.00	\$2.00	\$18,160.00	\$5.00	\$45,400.00	\$8.00	\$72,640.00
0005	SUBGRADE TREATMENT, GEOGRID, TYPE 2	4153 SY	\$4.00	\$16,612.00	\$4.00	\$16,612.00	\$3.00	\$12,459.00	\$2.50	\$10,382.50	\$3.00	\$12,459.00
0006	SUBBASE, MODIFIED SUBBASE, 4"	2010 SY	\$10.00	\$20,100.00	\$8.00	\$16,080.00	\$22.00	\$44,220.00	\$12.50	\$25,125.00	\$10.00	\$20,100.00
0007	SUBBASE, MODIFIED SUBBASE, 12"	6480 SY	\$30.00	\$194,400.00	\$24.00	\$155,520.00	\$40.00	\$259,200.00	\$30.00	\$194,400.00 \$33,500.00	\$24.00 \$49.00	\$155,520.00 \$24,500.00
0008	REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL	500 TON	\$25.00	\$12,500.00 \$4,500.00	\$5.00 \$132.00	\$2,500.00 \$4,752.00	\$30.00 \$220.00	\$15,000.00 \$7,920.00	\$67.00 \$217.00	\$33,500.00	\$384.00	\$13,824.00
0009 0010	STORM SEWER, TRENCHED, DIP, 15" STORM SEWER, TRENCHED, 15"	36 LF 1305 LF	\$125.00 \$125.00	\$163,125.00	\$132.00	\$114,840.00	\$100.00	\$130,500.00	\$182.00	\$237,510.00	\$237.00	\$309,285.00
0010	STORM SEWER, TRENCHED, 13 STORM SEWER, TRENCHED, 18"	422 LF	\$150.00	\$63,300.00	\$110.00	\$46,420.00	\$115.00	\$48,530.00	\$189.00	\$79,758.00	\$243.00	\$102,546.00
0012	STORM SEWER, TRENCHED, 24"	7 LF	\$180.00	\$1,260.00	\$220.00	\$1,540.00	\$295.00	\$2,065.00	\$224.00	\$1,568.00	\$260.00	\$1,820.00
0013	REMOVAL OF STORM SEWER, <30" DIAMETER	28 LF	\$30.00	\$840.00	\$33.00	\$924.00	\$35.00	\$980.00	\$28.00	\$784.00	\$79.00	\$2,212.00
0014	STORM SEWER ABANDONMENT, PLUG	1 EA	\$1,500.00	\$1,500.00	\$1,650.00	\$1,650.00	\$1,000.00	\$1,000.00	\$3,500.00	\$3,500.00 \$90,272.00	\$1,466.00 \$27.00	\$1,466.00 \$87,048.00
0015	SUBDRAIN, 6"	3224 LF 4 EA	\$30.00 \$750.00	\$96,720.00 \$3,000.00	\$33.00 \$550.00	\$106,392.00 \$2,200.00	\$20.00 \$1,000.00	\$64,480.00 \$4,000.00	\$28.00 \$1,400.00	\$5,600.00	\$547.00	\$2,188.00
0016 0017	SUBDRAIN CLEANOUT, TYPE A-1 SUBDRAIN OUTLETS AND CONNECTIONS	4 EA 42 EA	\$500.00	\$21,000.00	\$550.00	\$23,100.00	\$375.00	\$15,750.00	\$1,050.00	\$44,100.00	\$547.00	\$22,974.00
0017	SPOT REPAIRS BY PIPE REPLACEMENT	2 EA	\$3,500.00	\$7,000.00	\$3,000.00	\$6,000.00	\$7,800.00	\$15,600.00	\$7,000.00	\$14,000.00	\$1,482.00	\$2,964.00
0019	SPOT REPAIRS BY PIPE REPLACEMENT	20 LF	\$250.00	\$5,000.00	\$275.00	\$5,500.00	\$950.00	\$19,000.00	\$280.00	\$5,600.00	\$520.00	\$10,400.00
0020	WATER MAIN REMOVAL, 8"	755 LF	\$20.00	\$15,100.00	\$22.00	\$16,610.00	\$30.00	\$22,650.00	\$21.00	\$15,855.00	\$79.00 \$22,955.00	\$59,645.00 \$206,595.00
0021	MANHOLE, SW-303, 48"	9 EA	\$7,500.00	\$67,500.00	\$5,500.00	\$49,500.00	\$17,000.00 \$7,500.00	\$153,000.00 \$30,000.00	\$6,930.00 \$5,040.00	\$62,370.00 \$20,160.00	\$22,955.00 \$4,989.00	\$208,595.00
0022	MANHOLE, SW-401, 48"	4 EA 4 EA	\$6,500.00 \$9,500.00	\$26,000.00 \$38,000.00	\$5,500.00 \$9,900.00	\$22,000.00 \$39,600.00	\$14,000.00	\$56,000.00	\$12,075.00	\$48,300.00	\$18,220.00	\$72,880.00
0023 0024	MANHOLE, SW-402, 48"X48" MANHOLE, SW-402, 48"X60"	4 LA 2 EA	\$11,500.00	\$23,000.00	\$12,100.00	\$24,200.00	\$18,000.00	\$36,000.00	\$13,475.00	\$26,950.00	\$18,440.00	\$36,880.00
0024	MANHOLE, SW-402, 48"X72"	1 EA	\$12,500.00	\$12,500.00	\$13,175.00	\$13,175.00	\$20,000.00	\$20,000.00	\$14,875.00	\$14,875.00	\$18,505.00	\$18,505.00
0026	MANHOLE, SW-402, 48"X84"	1 EA	\$14,500.00	\$14,500.00	\$17,250.00	\$17,250.00	\$24,000.00	\$24,000.00	\$16,275.00	\$16,275.00	\$18,795.00	\$18,795.00
0027	MANHOLE, SW-402, 60"X72"	1 EA	\$17,000.00	\$17,000.00	\$19,250.00	\$19,250.00	\$34,000.00	\$34,000.00	\$21,875.00	\$21,875.00	\$18,815.00	\$18,815.00 \$68,872.00
0028	INTAKE, SW-501	8 EA	\$6,000.00	\$48,000.00	\$6,600.00	\$52,800.00	\$9,000.00 \$14,000.00	\$72,000.00 \$14,000.00	\$11,935.00 \$11,935.00	\$95,480.00 \$11,935.00	\$8,609.00 \$4,648.00	\$4,648.00
0029	INTAKE, SW-502	1 EA 11 EA	\$6,500.00 \$7,500.00	\$6,500.00 \$82,500.00	\$7,150.00 \$7,700.00	\$7,150.00 \$84,700.00	\$12,000.00	\$132,000.00	\$14,735.00	\$162,085.00	\$12,060.00	\$132,660.00
0030 0031	INTAKE, SW-505 INTAKE, SW-511	1 EA	\$6,500.00	\$6,500.00	\$6,600.00	\$6,600.00	\$9,000.00	\$9,000.00	\$9,170.00	\$9,170.00	\$7,742.00	\$7,742.00
0032	INTAKE, SW-512	1 EA	\$5,000.00	\$5,000.00	\$3,300.00	\$3,300.00	\$5,000.00	\$5,000.00	\$7,385.00	\$7,385.00	\$2,920.00	\$2,920.00
0033	MANHOLE ADJUSTMENT, MINOR	11 EA	\$2,000.00	\$22,000.00	\$1,650.00	\$18,150.00	\$3,500.00	\$38,500.00	\$2,975.00	\$32,725.00	\$2,606.00	\$28,666.00
0034	REMOVE INTAKE	11 EA	\$1,500.00	\$16,500.00	\$1,650.00	\$18,150.00	\$4,000.00	\$44,000.00	\$700.00	\$7,700.00 \$6,300.00	\$1,858.00 \$1,858.00	\$20,438.00 \$16,722.00
0035	REMOVE MANHOLE	9 EA 102 LF	\$1,500.00 \$1,500.00	\$13,500.00 \$153,000.00	\$1,650.00 \$1,760.00	\$14,850.00 \$179,520.00	\$4,000.00 \$2,000.00	\$36,000.00 \$204,000.00	\$700.00 \$1,309.00	\$133,518.00	\$775.00	\$79,050.00
0036 0037	INTAKE, TRENCH DRAIN PAVEMENT, PCC, 6"	102 LF 35 SY	\$1,500.00	\$3,675.00	\$1,780.00	\$4,200.00	\$120.00	\$4,200.00	\$126.00	\$4,410.00	\$179.00	\$6,265.00
0037	PAVEMENT, PCC, 8 PAVEMENT, PCC, 9"	1184 SY	\$110.00	\$130,240.00	\$150.00	\$177,600.00	\$135.00	\$159,840.00	\$154.00	\$182,336.00	\$180.00	\$213,120.00
0039	PAVEMENT, INTEGRAL COLOR PCC, 8"	204 SY	\$135.00	\$27,540.00	\$135.00	\$27,540.00	\$185.00	\$37,740.00	\$280.00	\$57,120.00	\$277.00	\$56,508.00
0040	CURB AND GUTTER, 2.0'	984 LF	\$45.00	\$44,280.00	\$35.00	\$34,440.00	\$60.00	\$59,040.00	\$112.00	\$110,208.00	\$55.00	\$54,120.00
0041	PAVEMENT, HMA, 7"	1254 SY	\$45.00	\$56,430.00	\$38.00	\$47,652.00	\$38.00	\$47,652.00	\$63.00	\$79,002.00 \$291,070.50	\$47.00 \$57.00	\$58,938.00 \$249,489.00
0042	PAVEMENT, HMA, 9"	4377 SY	\$50.00	\$218,850.00	\$47.00	\$205,719.00 \$2,200.00	\$46.00 \$700.00	\$201,342.00 \$700.00	\$66.50 \$2,240.00	\$2,240.00	\$877.00	\$249,409.00
0043	HMA PAVEMENT SAMPLES AND TESTING HMA OVERLAY, 1.25"	1 LS 6 TON	\$2,500.00 \$125.00	\$2,500.00 \$750.00	\$2,200.00 \$165.00	\$2,200.00	\$125.00	\$750.00	\$357.00	\$2,142.00	\$157.00	\$942.00
0044 0045	REMOVAL OF SIDEWALK	1501 SY	\$125.00	\$22,515.00	\$15.00	\$22,515.00	\$20.00	\$30,020.00	\$14.00	\$21,014.00	\$32.00	\$48,032.00
0046	SIDEWALK, PCC, 5"	1935 SY	\$75.00	\$145,125.00	\$80.00	\$154,800.00	\$93.00	\$179,955.00	\$112.00	\$216,720.00	\$160.00	\$309,600.00
0047	SIDEWALK, PCC, 6"	49 SY	\$75.00	\$3,675.00	\$80.00	\$3,920.00	\$128.00	\$6,272.00	\$126.00	\$6,174.00	\$176.00	\$8,624.00
0048	SIDEWALK, INTEGRAL COLOR PCC, 6"	1520 SY	\$135.00	\$205,200.00	\$135.00	\$205,200.00	\$147.00	\$223,440.00	\$168.00	\$255,360.00	\$210.00	\$319,200.00
0049	SIDEWALK, PCC, CLASS A	987 SY	\$100.00	\$98,700.00	\$120.00	\$118,440.00		\$159,894.00 \$7,632.00	\$140.00 \$112.00	\$138,180.00 \$11,872.00	\$209.00 \$55.00	\$206,283.00 \$5,830.00
0050	DETECTABLE WARNINGS	106 SF 167 SY	\$65.00 \$75.00	\$6,890.00 \$12,525.00	\$65.00 \$80.00	\$6,890.00 \$13,360.00	\$72.00 \$85.00	\$7,632.00 \$14,195.00	\$112.00	\$21,042.00	\$166.00	\$27,722.00
0051 0052	DRIVEWAY, PAVED, PCC, 6" DRIVEWAY, PAVED, PCC, 8"	1220 SY	\$100.00	\$122,000.00		\$122,000.00		\$156,160.00		\$170,800.00		\$213,500.00
0002	BRITERAL, LAVED, LOO, C		1.00.00			,	1 10 10		•		-	

				I		1		1		I		I
			UNIT		UNIT		UNIT		UNIT		UNIT	
ITEM	DESCRIPTION	QUANTITY	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
	SIDEWALK DEEP PENETRATING WATER REPELLANT	42255 SF	\$1.00	\$42,255.00	\$1.10	\$46,480.50	\$0.70	\$29,578.50	\$1.00	\$42,255.00	\$0.10	\$4,225.50
0054	FULL DEPTH PATCHES, PCC	80 SY	\$150.00	\$12,000.00	\$150.00	\$12,000.00	\$180.00	\$14,400.00	\$280.00	\$22,400.00	\$117.00	\$9,360.00
0055	TEMP DRIVEWAYS, HMA MILLINGS	500 TON	\$40.00	\$20,000.00	\$48.00	\$24,000.00	\$30.00	\$15,000.00	\$42.00	\$21,000.00	\$55.00	\$27,500.00
0056	MILLING	3018 SY	\$3.00	\$9,054.00	\$3.85	\$11,619.30	\$7.00	\$21,126.00	\$7.00 \$14.00	\$21,126.00 \$17,346.00	\$8.00 \$43.00	\$24,144.00 \$53,277.00
0057	PAVEMENT REMOVAL, PCC	1239 SY	\$20.00	\$24,780.00	\$16.00	\$19,824.00	\$18.00 \$20.00	\$22,302.00 \$3,400.00	\$14.00	\$2,380.00	\$24.00	\$4,080.00
0058	PAVEMENT REMOVAL, HMA	170 SY	\$12.00 \$25.00	\$2,040.00 \$175,425.00	\$14.00 \$18.85	\$2,380.00 \$132,270.45	\$20.00	\$112,272.00	\$7.00	\$49,119.00	\$25.00	\$175,425.00
0059	PAVEMENT REMOVAL, COMPOSITE	7017 SY 982 LF	\$25.00	\$14,730.00	\$14.00	\$13,748.00	\$12.00	\$11,784.00	\$21.00	\$20,622.00	\$36.00	\$35,352.00
0060 0061	REMOVAL OF CURB AND GUTTER ENGINEERING FABRIC	2100 SY	\$15.00	\$31,500.00	\$4.75	\$9,975.00	\$25.00	\$52,500.00	\$35.00	\$73,500.00	\$27.00	\$56,700.00
0061	STORAGE AGGREGATE	775 TON	\$65.00	\$50,375.00	\$25.00	\$19,375.00	\$70.00	\$54,250.00	\$98.00	\$75,950.00	\$77.00	\$59,675.00
0063	FILTER AGGREGATE	200 TON	\$55.00	\$11,000.00	\$65.00	\$13,000.00	\$70.00	\$14,000.00	\$98.00	\$19,600.00	\$77.00	\$15,400.00
0064	PERMEABLE INTERLOCKING PAVERS	894 SY	\$66.00	\$59,004.00	\$67.00	\$59,898.00	\$80.00	\$71,520.00	\$88.00	\$78,672.00	\$88.00	\$78,672.00
0065	REMOVAL OF TROLLEY TRACKS	2425 LF	\$50.00	\$121,250.00	\$25.00	\$60,625.00	\$35.00	\$84,875.00	\$50.00	\$121,250.00	\$31.00	\$75,175.00
0066	SALVAGE BRICK PAVERS	126 SY	\$15.00	\$1,890.00	\$15.00	\$1,890.00	\$20.00	\$2,520.00	\$28.00	\$3,528.00	\$22.00 \$181.00	\$2,772.00 \$10,860.00
0067	BRICK PAVERS	60 SY	\$100.00	\$6,000.00	\$94.00	\$5,640.00	\$165.00	\$9,900.00	\$231.00 \$99,000.00	\$13,860.00 \$99,000.00	\$273,675.00	\$273,675.00
0068	TRAFFIC SIGNALIZATION	1 LS	\$50,000.00		\$102,200.00	\$102,200.00 \$65,676.00	\$110,000.00 \$25.00	\$110,000.00 \$63,150.00	\$22.00	\$55,572.00	\$11.00	\$27,786.00
0069	CONDUIT, TRENCHED, 1 1/2 IN. (PLANTER LIGHTING)	2526 LF 2526 LF	\$19.00 \$21.00	\$47,994.00 \$53,046.00	\$26.00 \$28.75	\$72,622.50	\$25.00	\$68,202.00	\$33.00	\$83,358.00	\$11.00	\$27,786.00
0070 0071	CONDUIT, TRENCHED, 2 IN. (STREET LIGHTING) HANDHOLE, SMALL	2526 LF 26 EA	\$21.00	\$39,000.00	\$28.75	\$51,480.00	\$2,000.00	\$52,000.00	\$2,200.00	\$57,200.00	\$547.00	\$14,222.00
0071	LIGHT POLE BASE, 12-FT DEPTH	19 EA	\$4,500.00	\$85,500.00	\$5,500.00	\$104,500.00	\$5,000.00	\$95,000.00	\$4,950.00	\$94,050.00	\$6,568.00	\$124,792.00
0072	REMOVABLE PREFORMED TAPE MARKINGS	4.5 STA	\$375.00	\$1,687.50	\$660.00	\$2,970.00	\$150.00	\$675.00	\$315.00	\$1,417.50	\$752.00	\$3,384.00
0074	PAINTED PAVEMENT MARKINGS. SOLVENT/WATERBORNE	99 STA	\$50.00	\$4,950.00	\$41.80	\$4,138.20	\$55.00	\$5,445.00	\$91.00	\$9,009.00	\$48.00	\$4,752.00
0075	PERMANENT TAPE MARKINGS	99 STA	\$500.00	\$49,500.00	\$638.00	\$63,162.00	\$525.00	\$51,975.00	\$805.00	\$79,695.00	\$727.00	\$71,973.00
0076	PRECUT SYMBOLS AND LEGENDS	15 EA	\$500.00	\$7,500.00	\$495.00	\$7,425.00	\$400.00	\$6,000.00	\$700.00	\$10,500.00	\$564.00	\$8,460.00
0077	PAVEMENT MARKINGS REMOVED	4.5 STA	\$85.00	\$382.50	\$110.00	\$495.00	\$105.00	\$472.50	\$420.00	\$1,890.00	\$125.00	\$562.50
0078	PAINTED SYMBOLS AND LEGENDS, EPOXY	12 EA	\$275.00	\$3,300.00	\$286.00	\$3,432.00	\$400.00	\$4,800.00	\$112.00	\$1,344.00 \$13,860.00	\$326.00 \$81.00	\$3,912.00 \$8,019.00
0079	GROOVES CUT FOR PAVEMENT MARKINGS	99 STA	\$75.00	\$7,425.00	\$71.50	\$7,078.50	\$65.00	\$6,435.00 \$2,625.00	\$140.00 \$420.00	\$6,300.00	\$376.00	\$5,640.00
0080	GROOVES CUT FOR SYMBOLS AND LEGENDS	15 EA	\$175.00	\$2,625.00	\$330.00 \$33.00	\$4,950.00 \$1,452.00	\$175.00 \$40.00	\$1,760.00	\$49.00	\$2,156.00	\$38.00	\$1,672.00
0081	SIGNS, SHEET ALUMINUM	44 SF 40 EA	\$30.00 \$150.00	\$1,320.00 \$6,000.00	\$220.00	\$8,800.00	\$225.00	\$9,000.00	\$245.00	\$9,800.00	\$251.00	\$10,040.00
0082 0083	SIGN POSTS CURB DELINEATOR SIGNS	40 EA 19 EA	\$500.00	\$9,500.00	\$330.00	\$6,270.00	\$400.00	\$7,600.00	\$560.00	\$10,640.00	\$376.00	\$7,144.00
0083	TEMPORARY TRAFFIC CONTROL	1 LS	\$75,000.00	\$75,000.00	strong and comparison and comp	\$115,000.00	\$70,000.00	\$70,000.00	\$82,500.00	\$82,500.00	\$91,205.00	\$91,205.00
0085	PORTABLE DYNAMIC MESSAGE SIGN	28 CDAY	\$160.00	\$4,480.00	\$120.00	\$3,360.00	\$100.00	\$2,800.00	\$175.00	\$4,900.00	\$188.00	\$5,264.00
0086	TEMPORARY BARRIER RAIL, CONCRETE	5400 LF	\$25.00	\$135,000.00	\$0.50	\$2,700.00	\$8.00	\$43,200.00	\$25.00	\$135,000.00	\$25.00	\$135,000.00
0087	DAILY LANE CLOSURE	14 DAY	\$250.00	\$3,500.00	\$250.00	\$3,500.00	\$1,000.00	\$14,000.00	\$700.00	\$9,800.00	\$626.00	\$8,764.00 \$12,500.00
0088	TEMPORARY BUSINESS SIGNS, SHEET ALUMINUM	500 SF	\$10.00	\$5,000.00	\$5.00	\$2,500.00	\$10.00	\$5,000.00	\$42.00	\$21,000.00 \$8,820.00	\$25.00 \$313.00	\$6,573.00
0089	SIGN REMOVAL AND REPLACEMENT	21 EA	\$300.00	\$6,300.00	\$275.00	\$5,775.00	\$325.00 \$2,500.00	\$6,825.00 \$2,500.00	\$420.00 \$5,500.00	\$5,500.00	\$1,368.00	\$1,368.00
0090	TEMPORARY RRFB SIGNAL	1 EA 4 EA	\$2,500.00 \$2,000.00	\$2,500.00 \$8,000.00	\$5,400.00 \$2,000.00	\$5,400.00 \$8,000.00	\$2,000.00	\$8,000.00	\$2,200.00	\$8,800.00	\$2,189.00	\$8,756.00
0091	INDUCTIVE LOOP DETECTOR 6'X8'	4 EA 1 EA	\$2,500.00	\$2,500.00	\$5,750.00	\$5,750.00	\$2,500.00	\$2,500.00	\$5,500.00	\$5,500.00	\$2,189.00	\$2,189.00
0092 0093	PREFORMED BICYCLE LOOP DETECTOR HYDRAULIC SEEDING, SEEDING, FERTILIZING, AND MULCHING	2 AC	\$4,000.00	\$8,000.00	\$100.00	\$200.00	\$5,000.00	\$10,000.00	\$7,315.00	\$14,630.00	\$6,546.00	\$13,092.00
0093	STORM WATER POLLUTION PREVENTION PLAN (SWPPP)	1 LS	\$5,000.00	\$5,000.00	\$7,000.00	\$7,000.00	\$7,000.00	\$7,000.00	\$9,800.00	\$9,800.00	\$8,769.00	\$8,769.00
0095	FILTER SOCKS, 12 IN.	2000 LF	\$4.00	\$8,000.00	\$1.00	\$2,000.00	\$2.00	\$4,000.00	\$3.50	\$7,000.00	\$3.00	\$6,000.00
0096	INLET PROTECTION DEVICE, DROP-IN	23 EA	\$275.00	\$6,325.00	\$25.00	\$575.00	\$200.00	\$4,600.00	\$259.00	\$5,957.00	\$232.00	\$5,336.00
0097	INLET PROTECTION DEVICE MAINTENANCE	19 EA	\$55.00	\$1,045.00	\$5.00	\$95.00	\$25.00	\$475.00	\$35.00	\$665.00	\$31.00	\$589.00
0098	ORANGE SAFETY FENCE (RIGID)	984 LF	\$5.50	\$5,412.00	\$10.00	\$9,840.00	\$12.00	\$11,808.00	\$21.00	\$20,664.00	\$15.00	\$14,760.00 \$27,995.00
0099	TEMPORARY CHAIN LINK FENCE	2545 LF	\$6.00	\$15,270.00	\$6.50	\$16,542.50	\$6.00	\$15,270.00	7.00\$ \$1,680.00\$	\$17,815.00 \$7,392.00	\$11.00 \$3,599.00	\$15,835.60
0100	COMBINED CONCRETE SIDEWALK AND RETAINING WALL	4.4 CY	\$1,250.00	\$5,500.00	\$1,000.00	\$4,400.00 \$2,500.00	\$2,000.00 \$130.00	\$8,800.00 \$3,250.00	\$1,680.00	\$3,500.00	\$288.00	\$7,200.00
0101	CONCRETE STEPS (TYPE B)	25 SF 10 LF	\$75.00 \$30.00	\$1,875.00 \$300.00	\$100.00 \$360.00	\$3,600.00	\$330.00	\$3,300.00	\$462.00	\$4,620.00	\$359.00	\$3,590.00
0102		10 LF 72 LF	\$30.00	\$2,160.00	\$295.00	\$21,240.00	\$270.00	\$19,440.00	\$378.00	\$27,216.00	\$293.00	\$21,096.00
0103 0104	SAFETY RAIL 4-FT PLANTER RAIL	660 EA	\$400.00	\$264,000.00	\$480.00	\$316,800.00	\$440.00	\$290,400.00	\$478.50	\$315,810.00	\$477.00	\$314,820.00
0104	URN DRAINAGE PIPING	240 LF	\$25.00	\$6,000.00	\$50.00	\$12,000.00	\$25.00	\$6,000.00	\$42.00	\$10,080.00	\$35.00	\$8,400.00
	PLANTER URN	24 EA	\$2,000.00	\$48,000.00	and the second second	\$62,400.00	\$2,800.00	\$67,200.00		\$73,920.00	\$2,989.00	\$71,736.00
	CAST IN PLACE URN PEDESTAL	12 CY	\$1,000.00	\$12,000.00	\$1,000.00	\$12,000.00		\$18,000.00	\$1,320.00	\$15,840.00	\$1,601.00	\$19,212.00
	BENCH	24 EA	\$2,500.00	\$60,000.00	\$2,500.00	\$60,000.00	\$2,600.00	\$62,400.00	\$2,970.00	\$71,280.00	\$3,625.00	\$87,000.00
0109	TRASH RECEPTACLE	8 EA	\$2,800.00	\$22,400.00	\$3,200.00	\$25,600.00	\$3,800.00	\$30,400.00	\$4,180.00	\$33,440.00	\$4,401.00	\$35,208.00 \$22,506.00
	BIKE RACK	11 EA	\$800.00	\$8,800.00		\$10,450.00	\$1,000.00	\$11,000.00	\$1,100.00	\$12,100.00 \$14,355.00	\$2,046.00 \$20.00	\$22,508.00
	UNIT PAVERS	870 SF	\$20.00	\$17,400.00		\$14,094.00	\$18.00	\$15,660.00 \$250,040.00	\$16.50 \$66.00	\$235,752.00	\$55.00	\$196,460.00
	RAISED PLANTER CURB	3572 LF	\$55.00	\$196,460.00		\$214,320.00 \$48,240.00	\$70.00 \$67.00	\$250,040.00 \$53,868.00	\$66.00	\$53,064.00	\$46.00	\$36,984.00
	REINFORCED INTEGRAL SIDEWALK CURB	804 LF 400 CY	\$55.00 \$80.00	\$44,220.00 \$32,000.00		\$28,800.00	\$100.00	\$40,000.00	\$126.00	\$50,400.00	\$190.00	\$76,000.00
	AMENDED SOIL STREETSCAPE PLANTINGS	10200 SF	\$8.00	\$81,600.00		\$64,260.00		\$81,600.00		\$71,400.00		\$112,200.00
0115			40.00				•					

			UNIT		UNIT		UNIT		UNIT		UNIT	
ITEM	DESCRIPTION	QUANTITY	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
0116	OVERSTORY TREE	76 EA	\$600.00	\$45,600.00	\$522.50	\$39,710.00	\$650.00	\$49,400.00	\$665.00	\$50,540.00	\$547.00	\$41,572.00
0117	TEMPORARY IRRIGATION	1E+05 GAL	\$0.25	\$25,000.00	\$0.01	\$1,000.00	\$0.10	\$10,000.00	\$0.10	\$10,000.00	\$1.00	\$100,000.00
0118	BIKE REST BAR	2 EA	\$1,500.00	\$3,000.00	\$2,100.00	\$4,200.00	\$2,100.00	\$4,200.00	\$2,835.00	\$5,670.00	\$2,046.00	\$4,092.00
0119	BUS SHELTER FOUNDATION	3 LS	\$4,000.00	\$12,000.00	\$3,500.00	\$10,500.00	\$4,000.00	\$12,000.00	\$7,000.00	\$21,000.00	\$5,518.00	\$16,554.00
0120	BRICK CHIPS	20 CY	\$210.00	\$4,200.00	\$302.50	\$6,050.00	\$230.00	\$4,600.00	\$322.00	\$6,440.00	\$252.00	\$5,040.00
0121	MOBILIZATION	1 LS	\$438,243.00	\$438,243.00	\$419,000.00	\$419,000.00	\$585,000.00	\$585,000.00	\$166,000.00	\$166,000.00	\$1,500,000.00	\$1,500,000.00
0122	COMPLETION INCENTIVE, LUMP SUM, NO EXCUSE	1 LS	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00
	TOTAL CONSTRUCTION COST			\$5,350,000.00		\$5,258,518.95		\$6,104,159.00		\$6,186,879.50		\$8,399,794.80
	PERCENT OF ENGINEER'S ESTIMATE					-1.71%		+14.10%		+15.64%		+59.74%
						Low						

F