

Roll Call Number

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.

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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.

Moved by	to adopt.	
(Council Communication No.	22.045)	
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 128, Ingersoll Streetscape, ST276, TIF-Backed G. O. Bonds

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT	Ī
COWNIE					ľ
BOESEN					ľ
GATTO					ľ
MANDELBAUM					
SHEUMAKER					ŀ
VOSS					
WESTERGAARD					l
TOTAL					
MOTION CARRIED				APPROVED	1

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

\$27,722.00

\$213,500.00

\$166.00

\$175.00

0051 DRIVEWAY, PAVED, PCC, 6"

0052 DRIVEWAY, PAVED, PCC, 8"

Activity ID 04-2022-004

	MENT OF ENGINEERING	Activity ID	J4-2022-004									
CITY OF	DES MOINES, IOWA	BID DATE	01/25/2022	1		i		I		1		
			01/20/2022		Jasper Co	onstruction						
TABULA	ATED BY: N. Smith APPROVED BY P. Wagen	ra-				es, Inc.	Hawkeye F	Paving Corp	Synergy Cor	ntracting, LLC.	Rognes	Corp.
	ED BY: C. Kuhl			1	Newto	on, IA	Daven	port, IA	Des Mo	oines, IA	Ankeny	y, IA
				1								
	ACTOR'S BID TABULATION	DEET TO MI VII	NC ID DADE		DID SE	CURITY	BID SE	CURITY	RID SE	CURITY	BID SEC	URITY
PROJEC	CT: INGERSOLL AVENUE STREETSCAPE FROM 28TH ST (SOUTH SIDE)	REET TO WILL KI	NG JR. PARK	WAT (SOUTH		0%		0%		0%	109	
	ESTIMATE					PRICE		PRICE		PRICE	BID PF	RICE
			UNIT		UNIT		UNIT		UNIT		UNIT	
ITEM	DESCRIPTION	QUANTITY	PRICE	<u>AMOUNT</u>	PRICE	AMOUNT	PRICE	<u>AMOUNT</u>	PRICE	AMOUNT	PRICE	AMOUNT
0001	CLEARING AND GRUBBING	88.2 UNIT	\$125.00	\$11,025.00	\$100.00	\$8,820.00	\$100.00	\$8,820.00	\$300.00	\$26,460.00	\$246.00	\$21,697.20
0002	TOPSOIL, ON-SITE	100 CY	\$20.00	\$2,000.00	\$40.00	\$4,000.00	\$180.00	\$18,000.00	\$15.00	\$1,500.00	\$149.00	\$14,900.00
0003	EXCAVATION, CLASS 10, WASTE	7013 CY	\$40.00	\$280,520.00	\$40.00	\$280,520.00	\$30.00	\$210,390.00	\$30.00	\$210,390.00	\$70.00 \$8.00	\$490,910.00 \$72,640.00
0004	SUBGRADE PREPARATION, 6"	9080 SY	\$6.00	\$54,480.00	\$7.50	\$68,100.00	\$2.00	\$18,160.00 \$12,459.00	\$5.00 \$2.50	\$45,400.00 \$10,382.50	\$3.00	\$12,459.00
0005	SUBGRADE TREATMENT, GEOGRID, TYPE 2	4153 SY	\$4.00 \$10.00	\$16,612.00 \$20,100.00	\$4.00 \$8.00	\$16,612.00 \$16,080.00	\$3.00 \$22.00	\$44,220.00	\$2.50 \$12.50	\$25,125.00	\$10.00	\$20,100.00
0006	SUBBASE, MODIFIED SUBBASE, 4" SUBBASE, MODIFIED SUBBASE, 12"	2010 SY 6480 SY	\$30.00	\$194,400.00	\$24.00	\$155,520.00	\$40.00	\$259,200.00	\$30.00	\$194,400.00	\$24.00	\$155,520.00
0007 0008	REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL	500 TON	\$25.00	\$12,500.00	\$5.00	\$2,500.00	\$30.00	\$15,000.00	\$67.00	\$33,500.00	\$49.00	\$24,500.00
0000	STORM SEWER, TRENCHED, DIP, 15"	36 LF	\$125.00	\$4,500.00	\$132.00	\$4,752.00	\$220.00	\$7,920.00	\$217.00	\$7,812.00	\$384.00	\$13,824.00
0010	STORM SEWER, TRENCHED, 15"	1305 LF	\$125.00	\$163,125.00	\$88.00	\$114,840.00	\$100.00	\$130,500.00	\$182.00	\$237,510.00	\$237.00	\$309,285.00
0011	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	\$30.00	\$96,720.00	\$33.00	\$106,392.00	\$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	SUBDRAIN CLEANOUT, TYPE A-1	4 EA 42 EA	\$750.00 \$500.00	\$3,000.00 \$21,000.00	\$550.00 \$550.00	\$2,200.00 \$23,100.00	\$375.00	\$15,750.00	\$1,400.00	\$44,100.00	\$547.00	\$22,974.00
0017 0018	SUBDRAIN OUTLETS AND CONNECTIONS SPOT REPAIRS BY PIPE REPLACEMENT	42 EA 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
0018	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	\$59,645.00
0021	MANHOLE, SW-303, 48"	9 EA	\$7,500.00	\$67,500.00	\$5,500.00	\$49,500.00	\$17,000.00	\$153,000.00	\$6,930.00	\$62,370.00	\$22,955.00	\$206,595.00
0022	MANHOLE, SW-401, 48"	4 EA	\$6,500.00	\$26,000.00	\$5,500.00	\$22,000.00	\$7,500.00	\$30,000.00	\$5,040.00	\$20,160.00	\$4,989.00	\$19,956.00
0023	MANHOLE, SW-402, 48"X48"	4 EA	\$9,500.00	\$38,000.00	\$9,900.00	\$39,600.00	\$14,000.00	\$56,000.00	\$12,075.00	\$48,300.00	\$18,220.00	\$72,880.00
0024	MANHOLE, SW-402, 48"X60"	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
0025	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 \$18,795.00
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 \$34,000.00	\$16,275.00 \$21,875.00	\$16,275.00 \$21,875.00	\$18,795.00 \$18,815.00	\$18,815.00
0027	MANHOLE, SW-402, 60"X72"	1 EA 8 EA	\$17,000.00 \$6,000.00	\$17,000.00 \$48,000.00	\$19,250.00 \$6,600.00	\$19,250.00 \$52,800.00	\$34,000.00 \$9,000.00	\$72,000.00	\$11,935.00	\$95,480.00	\$8,609.00	\$68,872.00
0028	INTAKE, SW-501	1 EA	\$6,500.00	\$6,500.00	\$7,150.00	\$7,150.00	\$14,000.00	\$14,000.00	\$11,935.00	\$11,935.00	\$4,648.00	\$4,648.00
0029 0030	INTAKE, SW-502 INTAKE, SW-505	11 EA	\$7,500.00	\$82,500.00	\$7,700.00	\$84,700.00	\$12,000.00	\$132,000.00	\$14,735.00	\$162,085.00	\$12,060.00	\$132,660.00
0030	INTAKE, SW-503	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	\$1,858.00	\$20,438.00
0035	REMOVE MANHOLE	9 EA	\$1,500.00	\$13,500.00	\$1,650.00	\$14,850.00	\$4,000.00	\$36,000.00	\$700.00	\$6,300.00	\$1,858.00	\$16,722.00 \$79,050.00
0036	INTAKE, TRENCH DRAIN	102 LF	\$1,500.00	\$153,000.00	\$1,760.00	\$179,520.00	\$2,000.00	\$204,000.00		\$133,518.00	\$775.00 \$179.00	\$6,265.00
0037	PAVEMENT, PCC, 6"	35 SY	\$105.00	\$3,675.00	\$120.00	\$4,200.00	\$120.00 \$135.00	\$4,200.00 \$159,840.00	\$126.00 \$154.00	\$4,410.00 \$182,336.00	\$180.00	\$213,120.00
0038	PAVEMENT, PCC, 9"	1184 SY 204 SY	\$110.00 \$135.00	\$130,240.00 \$27,540.00	\$150.00 \$135.00	\$177,600.00 \$27,540.00	\$135.00	\$37,740.00	\$280.00	\$57,120.00	\$277.00	\$56,508.00
0039	PAVEMENT, INTEGRAL COLOR PCC, 8" 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
0040	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	\$47.00	\$58,938.00
0041	PAVEMENT, HMA, 9"	4377 SY	\$50.00	\$218,850.00	\$47.00	\$205,719.00	\$46.00	\$201,342.00	\$66.50	\$291,070.50	\$57.00	\$249,489.00
0042	HMA PAVEMENT SAMPLES AND TESTING	1 LS	\$2,500.00	\$2,500.00	\$2,200.00	\$2,200.00	\$700.00	\$700.00	\$2,240.00	\$2,240.00	\$877.00	\$877.00
0044	HMA OVERLAY, 1.25"	6 TON	\$125.00	\$750.00	\$165.00	\$990.00	\$125.00	\$750.00	\$357.00	\$2,142.00	\$157.00	\$942.00
0045	REMOVAL OF SIDEWALK	1501 SY	\$15.00	\$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 \$310.00	\$8,624.00 \$319,200.00
0048	SIDEWALK, INTEGRAL COLOR PCC, 6"	1520 SY	\$135.00	\$205,200.00	\$135.00	\$205,200.00	\$147.00 \$162.00	\$223,440.00 \$159,894.00	\$168.00 \$140.00	\$255,360.00 \$138,180.00	\$210.00 \$209.00	\$206,283.00
0049	SIDEWALK, PCC, CLASS A	987 SY 106 SF	\$100.00 \$65.00	\$98,700.00 \$6,890.00	\$120.00 \$65.00	\$118,440.00 \$6,890.00	\$162.00 \$72.00	\$159,894.00	\$140.00	\$13,872.00	\$55,00	\$5,830.00
0050	DETECTABLE WARNINGS	106 SF	\$65.00 \$75.00	\$5,890.00 \$12.525.00	\$80.00	\$13 360 00	\$72.00	\$14 195 00		\$21.042.00	\$166.00	\$27.722.00

\$80.00

\$100.00

\$13,360.00

\$122,000.00

\$85.00

\$128.00

\$14,195.00

\$156,160.00

\$126.00

\$140.00

\$21,042.00

\$170,800.00

\$12,525.00

\$122,000.00

167 SY

1220 SY

\$75.00

\$100.00

								1			UNIT	
			UNIT		UNIT	AMOUNT	UNIT	AMOUNT	UNIT PRICE	AMOUNT	PRICE	AMOUNT
<u>ITEM</u>	DESCRIPTION	QUANTITY	PRICE	AMOUNT \$42,255.00	PRICE \$1.10	AMOUNT \$46,480,50	PRICE \$0.70	\$29,578.50	\$1.00	\$42,255.00	\$0.10	\$4,225.50
0053	SIDEWALK DEEP PENETRATING WATER REPELLANT FULL DEPTH PATCHES, PCC	42255 SF 80 SY	\$1.00 \$150.00	\$12,000.00	\$1.10	\$12,000.00	\$180.00	\$14,400.00	\$280.00	\$22,400.00	\$117.00	\$9,360.00
0054 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	\$21,126.00	\$8.00	\$24,144.00
0057	PAVEMENT REMOVAL, PCC	1239 SY	\$20.00	\$24,780.00	\$16.00	\$19,824.00	\$18.00	\$22,302.00	\$14.00	\$17,346.00	\$43.00	\$53,277.00
0058	PAVEMENT REMOVAL, HMA	170 SY	\$12.00	\$2,040.00	\$14.00	\$2,380.00	\$20.00	\$3,400.00 \$112,272.00	\$14.00 \$7.00	\$2,380.00 \$49,119.00	\$24.00 \$25.00	\$4,080.00 \$175,425.00
0059	PAVEMENT REMOVAL, COMPOSITE	7017 SY 982 LF	\$25.00 \$15.00	\$175,425.00 \$14,730.00	\$18.85 \$14.00	\$132,270.45 \$13,748.00	\$16.00 \$12.00	\$112,272.00	\$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 \$22.00	\$75,175.00 \$2,772.00
0066	SALVAGE BRICK PAVERS	126 SY	\$15.00	\$1,890.00	\$15.00	\$1,890.00 \$5,640.00	\$20.00 \$165.00	\$2,520.00 \$9,900.00	\$28.00 \$231.00	\$3,528.00 \$13,860.00	\$181.00	\$10,860.00
0067	BRICK PAVERS	60 SY 1 LS	\$100.00 \$50,000.00	\$6,000.00	\$94.00 \$102,200.00	\$102,200.00	\$100.00	\$110,000.00	\$99,000.00	\$99,000.00	\$273,675.00	\$273,675.00
0068 0069	TRAFFIC SIGNALIZATION	2526 LF	\$19.00	\$47,994.00	\$26.00	\$65,676.00	\$25.00	\$63,150,00	\$22.00	\$55,572.00	\$11.00	\$27,786.00
0070	CONDUIT, TRENCHED, 1 1/2 IN. (PLANTER LIGHTING) CONDUIT, TRENCHED, 2 IN. (STREET LIGHTING)	2526 LF	\$21.00	\$53,046.00	\$28.75	\$72,622.50	\$27.00	\$68,202.00	\$33.00	\$83,358.00	\$11.00	\$27,786.00
0070	HANDHOLE, SMALL	26 EA	\$1,500.00	\$39,000.00	\$1,980.00	\$51,480.00	\$2,000.00	\$52,000.00	\$2,200.00	\$57,200.00	\$547.00	\$14,222.00
0072	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
0073	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 \$79,695.00	\$48.00 \$727.00	\$4,752.00 \$71,973.00
0075	PERMANENT TAPE MARKINGS	99 STA	\$500.00	\$49,500.00	\$638.00	\$63,162.00 \$7,425.00	\$525.00 \$400.00	\$51,975.00 \$6,000.00	\$805.00 \$700.00	\$10,500.00	\$564.00	\$8,460.00
0076	PRECUT SYMBOLS AND LEGENDS	15 EA 4.5 STA	\$500.00 \$85.00	\$7,500.00 \$382.50	\$495.00 \$110.00	\$495.00	\$105.00	\$472.50	\$420.00	\$1,890.00	\$125.00	\$562.50
0077 0078	PAVEMENT MARKINGS REMOVED 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	\$326.00	\$3,912.00
0078	GROOVES CUT FOR PAVEMENT MARKINGS	99 STA	\$75.00	\$7,425.00	\$71.50	\$7,078.50	\$65.00	\$6,435.00	\$140.00	\$13,860.00	\$81.00	\$8,019.00
0080	GROOVES CUT FOR SYMBOLS AND LEGENDS	15 EA	\$175.00	\$2,625.00	\$330.00	\$4,950.00	\$175.00	\$2,625.00	\$420.00	\$6,300.00	\$376.00	\$5,640.00
0081	SIGNS, SHEET ALUMINUM	44 SF	\$30.00	\$1,320.00	\$33.00	\$1,452.00	\$40.00	\$1,760.00	\$49.00	\$2,156.00	\$38.00	\$1,672.00
0082	SIGN POSTS	40 EA	\$150.00	\$6,000.00	\$220.00	\$8,800.00	\$225.00	\$9,000.00	\$245.00	\$9,800.00 \$10,640.00	\$251.00 \$376.00	\$10,040.00 \$7,144.00
0083	CURB DELINEATOR SIGNS	19 EA	\$500.00	\$9,500.00	\$330.00 \$115,000.00	\$6,270.00 \$115,000.00	\$400.00 \$70,000.00	\$7,600.00 \$70,000.00	\$560.00 \$82,500.00	\$82,500.00	\$91,205.00	\$91,205.00
0084	TEMPORARY TRAFFIC CONTROL	1 LS 28 CDAY	\$75,000.00 \$160.00	\$75,000.00 \$4,480.00	\$115,000.00	\$3,360.00	\$100.00	\$2,800.00	\$175.00	\$4,900.00	\$188.00	\$5,264.00
0085 0086	PORTABLE DYNAMIC MESSAGE SIGN 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
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	\$25.00	\$12,500.00
0089	SIGN REMOVAL AND REPLACEMENT	21 EA	\$300.00	\$6,300.00	\$275.00	\$5,775.00	\$325.00	\$6,825.00	\$420.00	\$8,820.00 \$5,500.00	\$313.00 \$1,368.00	\$6,573.00 \$1,368.00
0090	TEMPORARY RRFB SIGNAL	1 EA	\$2,500.00	\$2,500.00	\$5,400.00 \$2,000.00	\$5,400.00 \$8,000.00	\$2,500.00 \$2,000.00	\$2,500.00 \$8,000.00	\$5,500.00 \$2,200.00	\$8,800.00	\$2,189.00	\$8,756.00
0091	INDUCTIVE LOOP DETECTOR 6'X8'	4 EA 1 EA	\$2,000.00 \$2,500.00	\$8,000.00 \$2,500.00	\$5,750.00	\$5,750.00	\$2,000.00	\$2,500.00	\$5,500.00	\$5,500.00	\$2,189.00	\$2,189.00
0092	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 \$15.00	\$589.00 \$14,760.00
0098	ORANGE SAFETY FENCE (RIGID)	984 LF	\$5.50	\$5,412.00	\$10.00	\$9,840.00	\$12.00	\$11,808.00 \$15,270.00	\$21.00 \$7.00	\$20,664.00 \$17,815.00	\$11.00	\$27,995.00
0099	TEMPORARY CHAIN LINK FENCE	2545 LF	\$6.00 \$1.250.00	\$15,270.00 \$5,500.00	\$6.50 \$1,000.00	\$16,542.50 \$4,400.00	\$6.00 \$2,000.00	\$8,800.00	\$1,680.00	\$7,392.00	\$3,599.00	\$15,835.60
0100	COMBINED CONCRETE SIDEWALK AND RETAINING WALL	4.4 CY 25 SF	\$1,250.00	\$1,875.00	\$1,000.00	\$2,500.00	\$130.00	\$3,250.00	\$140.00	\$3,500.00	\$288.00	\$7,200.00
0101	CONCRETE STEPS (TYPE B) HAND RAIL	10 LF	\$30.00	\$300.00	\$360.00	\$3,600.00	\$330.00	\$3,300.00	\$462.00	\$4,620.00	\$359.00	\$3,590.00
0102	SAFETY RAIL	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
0104	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
0105	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 \$71,736.00
0106	PLANTER URN	24 EA	\$2,000.00	\$48,000.00	\$2,600.00	\$62,400.00	\$2,800.00	\$67,200.00	\$3,080.00 \$1,320.00	\$73,920.00 \$15,840.00	\$2,989.00 \$1,601.00	\$19,212.00
0107	CAST IN PLACE URN PEDESTAL	12 CY	\$1,000.00 \$2,500.00	\$12,000.00 \$60,000.00	\$1,000.00 \$2,500.00	\$12,000.00 \$60,000.00		\$18,000.00 \$62,400.00	\$1,320.00	\$71,280.00	\$3,625.00	\$87,000.00
0108	BENCH	24 EA 8 EA	\$2,500.00	\$22,400.00	\$3,200.00	\$25,600.00		\$30,400.00	\$4,180.00	\$33,440.00	\$4,401.00	\$35,208.00
0109 0110	TRASH RECEPTACLE BIKE RACK	11 EA	\$800.00	\$8,800.00	\$950.00	\$10,450.00		\$11,000.00	\$1,100.00	\$12,100.00	\$2,046.00	\$22,506.00
0110	UNIT PAVERS	870 SF	\$20.00	\$17,400.00	\$16.20	\$14,094.00	25 (15)	\$15,660.00	\$16.50	\$14,355.00	\$20.00	\$17,400.00
0112	RAISED PLANTER CURB	3572 LF	\$55.00	\$196,460.00	\$60.00	\$214,320.00		\$250,040.00	\$66.00	\$235,752.00	\$55.00	\$196,460.00
0113	REINFORCED INTEGRAL SIDEWALK CURB	804 LF	\$55.00	\$44,220.00	\$60.00	\$48,240.00		\$53,868.00	\$66.00	\$53,064.00	\$46.00	\$36,984.00
0114	AMENDED SOIL	400 CY	\$80.00	\$32,000.00	\$72.00	\$28,800.00		\$40,000.00 \$81,600.00	\$126.00 \$7.00	\$50,400.00 \$71,400.00	\$190.00 \$11.00	\$76,000.00 \$112,200.00
0115	STREETSCAPE PLANTINGS	10200 SF	\$8.00	\$81,600.00	\$6.30	\$64,260.00	\$8.00	φο 1,000.00	I \$1.00	Ψε 1,400.00	1 \$11.50	ψ



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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						