



Date February 05, 2024

PUBLIC HEARING, APPROVING PLANS, SPECIFICATIONS, FORM OF CONTRACT DOCUMENTS, AND ENGINEER'S ESTIMATE ON UNIVERSITY AVENUE - 39TH STREET TO 48TH STREET IMPROVEMENTS; RECEIVE AND FILE BIDS; AND DESIGNATION OF LOWEST RESPONSIVE, RESPONSIBLE BIDDER AS JASPER CONSTRUCTION SERVICES, INC., CLIFF RHOADS, PRESIDENT, \$4,373,041.85

WHEREAS, on December 04, 2023, under Roll Call No. 23-1679, 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:

University Avenue - 39th Street to 48th Street Improvements, Activity ID 062023002

The improvement includes Hot Mix Asphalt (HMA) pavement, Portland Cement Concrete (PCC) sidewalk and driveways, pavement removal, water main adjustments, water service replacement, storm sewer installation, manholes, intakes, pavement markings, traffic control, erosion control, surface restoration, and other incidental items, all in accordance with the contract documents, including Plan File No. 660-058/196, located on University Avenue from 39th Street to 48th Street and on 42nd Street from Crocker Street to University Avenue in 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 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
- Grimes Asphalt and Paving Corporation, Des Moines, IA
- Mainline Construction, Inc., Bondurant, IA
- Shekar Engineering, P.L.C., Des Moines, IA
- S. M. Hentges & Sons Inc., Jordan, MN

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 09, 2024. Said bids and the attached tabulation of bids for said improvement be and are hereby received and filed.



Date February 05, 2024

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 \$4,373,041.85, 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 responsive, 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. 24048 attached)

Moved by _____ to adopt. Second by _____

FORM APPROVED:

FUNDS AVAILABLE:

s/Kathleen Vanderpool

s/Nickolas J. Schaul

Kathleen Vanderpool
Deputy City Attorney

Nickolas J. Schaul
Director of Finance



Funding Source: 2023-24 CIP, Page 128, University Ave - 48th Street to 31st Street, ST275, Being: \$1,000,000 General Fund transfer made possible with American Rescue Plan Act (ARPA) Funds (Stormwater), \$2,606,775.85 in G.O. Bonds, \$125,405 in Storm water Funds transferred from SM057, \$466,611 transferred from ST260, and the remaining \$174,250 from Des Moines Water Works



Roll Call Number

Agenda Item Number

40

Date February 05, 2024

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
BOESEN				
COLEMAN				
GATTO				
MANDELBAUM				
VOSS				
WESTERGAARD				
TOTAL				

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.

MOTION CARRIED APPROVED

Mayor

City Clerk

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TABULATED BY: N. Smith APPROVED BY: *Phillip J. Wagen*
CHECKED BY: CKK

CONTRACTOR'S BID TABULATION

PROJECT: University Avenue - 39th Street to 48th Street Improvements

-----ESTIMATE-----

ITEM	DESCRIPTION	QUANTITY	UNIT		Jasper Construction Services, Inc. Newton, IA		Grimes Asphalt and Paving Corporation Des Moines, IA		Mainline Construction, Inc. Bondurant, IA		Shekar Engineering, PLC Des Moines, IA	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
0001	CLEARING AND GRUBBING	1 LS	\$20,000.00	\$20,000.00	\$12,000.00	\$12,000.00	\$13,300.00	\$13,300.00	\$8,000.00	\$8,000.00	\$100,650.00	\$100,650.00
0002	TOPSOIL, OFF-SITE	250 CY	\$20.00	\$5,000.00	\$80.00	\$20,000.00	\$37.00	\$9,250.00	\$105.00	\$26,250.00	\$22.00	\$5,500.00
0003	EXCAVATION, CLASS 13, ROADWAY AND BORROW	1000 CY	\$40.00	\$40,000.00	\$40.00	\$40,000.00	\$49.00	\$49,000.00	\$35.00	\$35,000.00	\$13.20	\$13,200.00
0004	SUBGRADE TREATMENT, GEO-GRID, TYPE 2	2503 SY	\$7.00	\$17,521.00	\$2.00	\$5,006.00	\$6.00	\$15,018.00	\$3.50	\$8,760.50	\$6.60	\$16,519.80
0005	SUBBASE, MODIFIED, 6 INCH	3377 SY	\$15.00	\$50,655.00	\$17.00	\$57,409.00	\$14.00	\$47,278.00	\$17.60	\$59,435.20	\$14.30	\$48,291.10
0006	EXPLORATORY EXCAVATION	10 EA	\$500.00	\$5,000.00	\$465.00	\$4,650.00	\$382.00	\$3,820.00	\$900.00	\$9,000.00	\$770.00	\$7,700.00
0007	REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL	500 TON	\$40.00	\$20,000.00	\$55.00	\$27,500.00	\$36.00	\$18,000.00	\$67.00	\$33,500.00	\$48.40	\$24,200.00
0008	SANITARY SEWER SERVICE RELOCATION	5 EA	\$3,000.00	\$15,000.00	\$3,800.00	\$19,000.00	\$4,200.00	\$21,000.00	\$1,300.00	\$6,500.00	\$5,225.00	\$26,125.00
0009	STORM SEWER, TRENCHED, 15 INCH	80 LF	\$100.00	\$8,000.00	\$100.00	\$8,000.00	\$130.00	\$10,400.00	\$155.00	\$12,400.00	\$129.80	\$10,384.00
0010	STORM SEWER, TRENCHED, 18 INCH	38 LF	\$120.00	\$4,560.00	\$105.00	\$3,990.00	\$134.00	\$5,092.00	\$290.00	\$11,020.00	\$92.40	\$3,511.20
0011	STORM SEWER, TRENCHED, 24 INCH	14 LF	\$150.00	\$2,100.00	\$180.00	\$2,520.00	\$153.00	\$2,142.00	\$390.00	\$5,460.00	\$137.50	\$1,925.00
0012	STORM SEWER, TRENCHED, 48 INCH	123 LF	\$300.00	\$36,900.00	\$270.00	\$33,210.00	\$464.00	\$57,072.00	\$780.00	\$95,940.00	\$467.50	\$57,502.50
0013	STORM SEWER, TRENCHED, 72 INCH	326 LF	\$500.00	\$163,000.00	\$520.00	\$169,520.00	\$707.00	\$230,482.00	\$1,700.00	\$554,200.00	\$748.00	\$243,848.00
0014	REMOVAL OF STORM SEWER PIPE	535 LF	\$35.00	\$18,725.00	\$22.00	\$11,770.00	\$44.00	\$23,540.00	\$200.00	\$107,000.00	\$28.60	\$15,301.00
0015	PIPE APRON, CONCRETE, 72 INCH	1 EA	\$15,000.00	\$15,000.00	\$13,500.00	\$13,500.00	\$19,600.00	\$19,600.00	\$40,000.00	\$40,000.00	\$14,998.50	\$14,998.50
0016	SANITARY SEWER CLEANING AND TELEVISION	10 HR	\$500.00	\$5,000.00	\$335.00	\$3,350.00	\$446.00	\$4,460.00	\$520.00	\$5,200.00	\$385.00	\$3,850.00
0017	SPOT REPAIRS BY PIPE REPLACEMENT, SANITARY SEWER	175 LF	\$150.00	\$26,250.00	\$125.00	\$21,875.00	\$242.00	\$42,350.00	\$115.00	\$20,125.00	\$231.00	\$40,425.00
0018	WATERMAIN, TRENCHED, CL52, 8 INCH, WITH NITRILE GASKETS, REST	180 LF	\$150.00	\$27,000.00	\$130.00	\$23,400.00	\$179.00	\$32,220.00	\$260.00	\$46,800.00	\$187.00	\$33,660.00
0019	WATERMAIN, TRENCHED, CL52, 12 INCH, WITH NITRILE GASKETS, REST	192 LF	\$150.00	\$28,800.00	\$170.00	\$32,640.00	\$233.00	\$44,736.00	\$385.00	\$73,920.00	\$275.00	\$52,800.00
0020	REMOVAL OF WATERMAIN	314 LF	\$15.00	\$4,710.00	\$30.00	\$9,420.00	\$31.00	\$9,734.00	\$20.00	\$6,280.00	\$23.10	\$7,253.40
0021	FITTINGS BY WEIGHT, DUCTILE IRON	1700 LB	\$12.00	\$20,400.00	\$12.00	\$20,400.00	\$17.00	\$28,900.00	\$9.00	\$15,300.00	\$25.30	\$43,010.00
0022	NEW STOP BOX HOUSING	5 EA	\$1,000.00	\$5,000.00	\$325.00	\$1,625.00	\$1,400.00	\$7,000.00	\$120.00	\$600.00	\$984.50	\$4,922.50
0023	NEW STOP BOX ROD	5 EA	\$1,000.00	\$5,000.00	\$300.00	\$1,500.00	\$1,130.00	\$5,650.00	\$90.00	\$450.00	\$874.50	\$4,372.50
0024	RELOCATION OF WATER SERVICE	5 EA	\$2,500.00	\$12,500.00	\$3,400.00	\$17,000.00	\$5,000.00	\$25,000.00	\$2,400.00	\$12,000.00	\$5,497.80	\$27,489.00
0025	NEW WATER SERVICE	5 EA	\$1,500.00	\$7,500.00	\$3,800.00	\$19,000.00	\$5,100.00	\$25,500.00	\$2,650.00	\$13,250.00	\$5,497.80	\$27,489.00
0026	LOWER WATER SERVICE	5 EA	\$1,800.00	\$9,000.00	\$2,700.00	\$13,500.00	\$5,000.00	\$25,000.00	\$1,000.00	\$5,000.00	\$5,497.80	\$27,489.00
0027	RELOCATE STOP BOX	5 EA	\$1,000.00	\$5,000.00	\$1,800.00	\$9,000.00	\$1,700.00	\$8,500.00	\$1,000.00	\$5,000.00	\$2,887.50	\$14,437.50
0028	VALVE, GATE, DIP, 8 IN.	1 EA	\$4,500.00	\$4,500.00	\$3,000.00	\$3,000.00	\$2,900.00	\$2,900.00	\$2,700.00	\$2,700.00	\$3,202.10	\$3,202.10
0029	VALVE, GATE, DIP, 12 IN.	2 EA	\$7,000.00	\$14,000.00	\$4,800.00	\$9,600.00	\$5,100.00	\$10,200.00	\$4,750.00	\$9,500.00	\$5,021.50	\$10,043.00
0030	FIRE HYDRANT ASSEMBLY	3 EA	\$7,000.00	\$21,000.00	\$9,000.00	\$27,000.00	\$10,500.00	\$31,500.00	\$9,500.00	\$28,500.00	\$11,275.00	\$33,825.00
0031	FLUSHING DEVICE (TEMPORARY BLOWOFF HYDRANT)	1 EA	\$2,500.00	\$2,500.00	\$7,800.00	\$7,800.00	\$8,250.00	\$8,250.00	\$3,600.00	\$3,600.00	\$8,156.50	\$8,156.50
0032	VALVE BOX REPLACEMENT	3 EA	\$1,000.00	\$3,000.00	\$900.00	\$2,700.00	\$1,300.00	\$3,900.00	\$840.00	\$1,920.00	\$1,210.00	\$3,630.00
0033	FIRE HYDRANT ASSEMBLY REMOVAL	3 EA	\$1,500.00	\$4,500.00	\$800.00	\$2,400.00	\$1,300.00	\$3,900.00	\$220.00	\$660.00	\$2,018.50	\$6,055.50
0034	STORM MANHOLE, SW-301, 48 INCH	1 EA	\$8,000.00	\$8,000.00	\$8,700.00	\$8,700.00	\$6,500.00	\$6,500.00	\$10,000.00	\$10,000.00	\$9,966.00	\$9,966.00
0035	STORM MANHOLE, SW-401, 48 INCH	2 EA	\$10,000.00	\$20,000.00	\$7,400.00	\$14,800.00	\$6,450.00	\$12,900.00	\$10,000.00	\$20,000.00	\$8,379.80	\$16,759.60
0036	STORM MANHOLE, SW-401, 72 INCH	2 EA	\$18,000.00	\$36,000.00	\$20,500.00	\$41,000.00	\$30,700.00	\$61,400.00	\$32,000.00	\$64,000.00	\$25,410.00	\$50,820.00
0037	STORM MANHOLE, SW-404	2 EA	\$35,000.00	\$70,000.00	\$30,800.00	\$61,600.00	\$62,980.00	\$125,960.00	\$94,000.00	\$188,000.00	\$56,716.00	\$113,432.00
0038	INTAKE, SW-501	4 EA	\$4,000.00	\$16,000.00	\$6,000.00	\$24,000.00	\$4,900.00	\$19,600.00	\$9,600.00	\$38,400.00	\$6,974.00	\$27,896.00
0039	INTAKE, SW-505	2 EA	\$6,000.00	\$12,000.00	\$9,000.00	\$18,000.00	\$8,000.00	\$16,000.00	\$13,400.00	\$26,800.00	\$12,100.00	\$24,200.00
0040	INTAKE, SW-505, MODIFIED, TRIPLE INTAKE	1 EA	\$15,000.00	\$15,000.00	\$12,800.00	\$12,800.00	\$26,000.00	\$26,000.00	\$23,000.00	\$23,000.00	\$19,244.50	\$19,244.50
0041	INTAKE, SW-516, MODIFIED	3 EA	\$60,000.00	\$180,000.00	\$50,800.00	\$152,400.00	\$10,800.00	\$32,400.00	\$94,000.00	\$282,000.00	\$77,544.50	\$232,633.50
0042	EXTERNAL DROP CONNECTION	1 LS	\$15,000.00	\$15,000.00	\$14,200.00	\$14,200.00	\$17,200.00	\$17,200.00	\$19,000.00	\$19,000.00	\$19,156.50	\$19,156.50
0043	MANHOLE ADJUSTMENT, MINOR	12 EA	\$1,500.00	\$18,000.00	\$2,000.00	\$24,000.00	\$1,650.00	\$19,800.00	\$900.00	\$10,800.00	\$1,430.00	\$17,160.00
0044	INTAKE ADJUSTMENT, MINOR	1 EA	\$1,500.00	\$1,500.00	\$2,500.00	\$2,500.00	\$1,650.00	\$1,650.00	\$900.00	\$900.00	\$1,694.00	\$1,694.00
0045	MANHOLE ADJUSTMENT, MAJOR	1 EA	\$3,000.00	\$3,000.00	\$4,800.00	\$4,800.00	\$3,700.00	\$3,700.00	\$1,875.00	\$1,875.00	\$3,982.00	\$3,982.00
0046	REMOVE MANHOLE	3 EA	\$5,000.00	\$15,000.00	\$850.00	\$2,550.00	\$1,750.00	\$5,250.00	\$800.00	\$2,400.00	\$990.00	\$2,970.00
0047	REMOVE INTAKE	9 EA	\$5,000.00	\$45,000.00	\$850.00	\$7,650.00	\$1,750.00	\$15,750.00	\$800.00	\$7,200.00	\$968.00	\$8,712.00
0048	PAVEMENT, PCC, 8 INCH, PARKING	707 SY	\$100.00	\$70,700.00	\$110.00	\$77,770.00	\$117.00	\$82,719.00	\$120.00	\$84,840.00	\$91.30	\$64,549.10
0049	PAVEMENT, PCC, 10 INCH, BASE	876 SY	\$100.00	\$87,600.00	\$120.00	\$105,120.00	\$84.00	\$73,584.00	\$130.00	\$113,880.00	\$112.20	\$98,287.20
0050	CURB AND GUTTER, 2 FOOT, 8 INCH	3197 LF	\$40.00	\$127,880.00	\$40.00	\$127,880.00	\$36.00	\$115,992.00	\$52.00	\$166,244.00	\$41.80	\$133,634.60

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT		UNIT		
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	
0051	COLORED PCC PAVEMENT, 8 INCH, STAMPED	112 SY	\$150.00	\$16,800.00	\$325.00	\$36,400.00	\$195.00	\$21,840.00	\$220.00	\$24,640.00	\$220.00	\$24,640.00	
0052	PCC MEDIAN, 4 INCH, SLOPED	165 SY	\$100.00	\$16,500.00	\$190.00	\$31,350.00	\$156.00	\$25,740.00	\$104.00	\$17,160.00	\$73.70	\$12,160.50	
0053	HMA HT SURFACE, 1/2" MIX, NO FRIC, PG 58-28H	2713 TON	\$110.00	\$298,430.00	\$108.00	\$293,004.00	\$122.00	\$330,986.00	\$118.00	\$320,134.00	\$130.90	\$355,131.70	
0054	HMA HT SURFACE, 1/2" MIX, NO FRIC, PG 58-28H WITH NEWROAD HYBR	1375 TON	\$115.00	\$158,125.00	\$108.00	\$148,500.00	\$110.00	\$151,250.00	\$118.00	\$162,250.00	\$121.00	\$166,375.00	
0055	HMA ST BASE, 3/4" MIX, NO FRIC, PG 58-28S	65 TON	\$100.00	\$6,500.00	\$150.00	\$9,750.00	\$145.00	\$9,425.00	\$165.00	\$10,725.00	\$147.40	\$9,581.00	
0056	HMA ST INTERMEDIATE, 1/2" MIX, NO FRIC, PG 58-28S	65 TON	\$100.00	\$6,500.00	\$150.00	\$9,750.00	\$134.00	\$8,710.00	\$165.00	\$10,725.00	\$145.20	\$9,438.00	
0057	HMA ST SURFACE, 1/2" MIX, NO FRIC, PG 58-28S	45 TON	\$110.00	\$4,950.00	\$170.00	\$7,650.00	\$158.00	\$7,110.00	\$180.00	\$8,100.00	\$162.00	\$7,290.00	
0058	REMOVAL OF SIDEWALK	1984 SY	\$17.00	\$33,728.00	\$21.00	\$41,664.00	\$28.00	\$55,552.00	\$15.00	\$29,760.00	\$11.00	\$21,824.00	
0059	REMOVAL OF DRIVEWAY	1446 SY	\$17.00	\$24,582.00	\$21.00	\$30,366.00	\$23.00	\$33,258.00	\$15.00	\$21,690.00	\$11.00	\$15,906.00	
0060	SIDEWALK, PCC, 5 INCH	2129 SY	\$65.00	\$138,385.00	\$86.00	\$183,094.00	\$80.00	\$170,320.00	\$77.00	\$163,933.00	\$58.85	\$125,291.65	
0061	SIDEWALK, PCC, 6 INCH	438 SY	\$75.00	\$32,850.00	\$100.00	\$43,800.00	\$80.00	\$35,040.00	\$82.50	\$36,135.00	\$66.00	\$28,908.00	
0062	SIDEWALK, PCC, 6 INCH, REINFORCED	19 SY	\$80.00	\$1,520.00	\$100.00	\$1,900.00	\$100.00	\$1,900.00	\$88.00	\$1,672.00	\$79.20	\$1,504.00	
0063	SIDEWALK, COLORED PCC, 6 INCH	925 SY	\$150.00	\$138,750.00	\$180.00	\$166,500.00	\$170.00	\$157,250.00	\$165.00	\$152,625.00	\$82.50	\$76,312.50	
0064	DETECTABLE WARNING	715 SF	\$75.00	\$53,625.00	\$70.00	\$50,050.00	\$56.00	\$40,040.00	\$88.00	\$62,920.00	\$55.00	\$39,325.00	
0065	DRIVEWAY, PCC, 6 INCH	806.5 SY	\$75.00	\$60,487.50	\$100.00	\$80,650.00	\$104.00	\$83,876.00	\$99.00	\$79,843.50	\$71.50	\$57,664.75	
0066	DRIVEWAY, PCC, 8 INCH	305 SY	\$85.00	\$25,925.00	\$115.00	\$35,075.00	\$151.00	\$46,055.00	\$126.50	\$38,582.50	\$93.50	\$28,517.50	
0067	DRIVEWAY, GRANULAR, TEMPORARY CLASS A	200 TON	\$50.00	\$10,000.00	\$45.00	\$9,000.00	\$107.00	\$21,400.00	\$70.00	\$14,000.00	\$44.00	\$8,800.00	
0068	FULL DEPTH PATCHES, HMA	1100 SY	\$125.00	\$137,500.00	\$113.00	\$124,300.00	\$121.00	\$133,100.00	\$90.00	\$99,000.00	\$79.20	\$87,120.00	
0069	FULL DEPTH PATCHES, COMPOSITE	1100 SY	\$160.00	\$176,000.00	\$175.00	\$192,500.00	\$106.00	\$116,600.00	\$32.00	\$35,200.00	\$159.50	\$175,450.00	
0070	MILLING, 2 INCH	21582 SY	\$5.00	\$107,910.00	\$3.35	\$72,299.70	\$3.75	\$80,932.50	\$3.70	\$79,853.40	\$3.63	\$78,342.66	
0071	MILLING, 3 INCH	7559 SY	\$6.00	\$45,354.00	\$4.85	\$36,661.15	\$5.50	\$41,574.50	\$5.30	\$40,062.70	\$5.06	\$38,248.54	
0072	PAVEMENT REMOVAL	4219 SY	\$15.00	\$63,285.00	\$22.00	\$92,818.00	\$21.00	\$88,599.00	\$11.00	\$46,409.00	\$11.00	\$46,409.00	
0073	CURB AND GUTTER REMOVAL	370 LF	\$12.00	\$4,440.00	\$25.00	\$9,250.00	\$19.00	\$7,030.00	\$23.00	\$8,510.00	\$11.00	\$4,070.00	
0074	TRAFFIC SIGNALIZATION	1 LS	\$353,331.00	\$353,331.00	\$367,000.00	\$367,000.00	\$421,000.00	\$421,000.00	\$410,000.00	\$410,000.00	\$417,331.12	\$417,331.12	
0075	PAINTED PAVEMENT MARKINGS, DURABLE, EPOXY	305 STA	\$110.00	\$33,550.00	\$150.00	\$45,750.00	\$167.00	\$50,935.00	\$126.00	\$38,430.00	\$126.50	\$38,582.50	
0076	PAINTED PAVEMENT MARKINGS, METHYL METHACRYLATE (MMA)	336 SF	\$22.00	\$7,392.00	\$100.00	\$33,600.00	\$111.00	\$37,296.00	\$50.00	\$16,800.00	\$49.50	\$16,632.00	
0077	PAINTED SYMBOLS AND LEGENDS, DURABLE, EPOXY	63 EA	\$300.00	\$18,900.00	\$200.00	\$12,600.00	\$222.00	\$13,986.00	\$495.00	\$31,185.00	\$495.00	\$31,185.00	
0078	PAVEMENT MARKINGS REMOVED	5 STA	\$40.00	\$200.00	\$50.00	\$250.00	\$55.00	\$275.00	\$467.50	\$2,337.50	\$467.50	\$2,337.50	
0079	SYMBOLS AND LEGENDS REMOVED	5 EA	\$150.00	\$750.00	\$250.00	\$1,250.00	\$278.00	\$1,390.00	\$110.00	\$550.00	\$110.00	\$550.00	
0080	GROOVES CUT FOR PAVEMENT MARKINGS	305 STA	\$55.00	\$16,775.00	\$150.00	\$45,750.00	\$167.00	\$50,935.00	\$105.00	\$32,025.00	\$104.50	\$31,872.50	
0081	GROOVES CUT FOR SYMBOLS AND LEGENDS	63 EA	\$150.00	\$9,450.00	\$200.00	\$12,600.00	\$222.00	\$13,986.00	\$190.00	\$11,970.00	\$192.50	\$12,127.50	
0082	REMOVE AND REINSTALL SIGN, AS PER PLAN	12 EA	\$450.00	\$5,400.00	\$300.00	\$3,600.00	\$333.00	\$3,996.00	\$275.00	\$3,300.00	\$275.00	\$3,300.00	
0083	REMOVE SIGN AND SIGN POST	73 EA	\$100.00	\$7,300.00	\$75.00	\$5,475.00	\$83.00	\$6,059.00	\$165.00	\$12,045.00	\$165.00	\$12,045.00	
0084	TYPE A SIGN, SHEET ALUMINUM	611 SF	\$100.00	\$61,100.00	\$45.00	\$27,495.00	\$50.00	\$30,550.00	\$55.00	\$33,605.00	\$55.00	\$33,605.00	
0085	TEMPORARY TRAFFIC CONTROL	1 LS	\$100,000.00	\$100,000.00	\$150,000.00	\$150,000.00	\$102,000.00	\$102,000.00	\$110,000.00	\$110,000.00	\$110,000.00	\$110,000.00	
0086	CONVENTIONAL SEEDING, SEEDING, FERTILIZING, AND MULCHING	0.5 AC	\$10,000.00	\$5,000.00	\$6,000.00	\$3,000.00	\$11,200.00	\$5,600.00	\$22,000.00	\$11,000.00	\$11,814.00	\$5,907.00	
0087	FILTER SOCK, 9 INCH, INSTALL, MAINTAIN AND REMOVE	6000 LF	\$3.00	\$18,000.00	\$0.25	\$1,500.00	\$2.25	\$13,500.00	\$2.50	\$15,000.00	\$5.23	\$31,380.00	
0088	TEMPORARY RECP, WOOD EXCELSIOR MAT	574 SY	\$5.00	\$2,870.00	\$2.50	\$1,435.00	\$3.00	\$1,722.00	\$2.20	\$1,262.80	\$1.75	\$1,004.50	
0089	RIP RAP, CLASS 'E'	250 TON	\$90.00	\$22,500.00	\$40.00	\$10,000.00	\$90.00	\$22,500.00	\$80.00	\$20,000.00	\$97.81	\$24,452.50	
0090	STABILIZED CONSTRUCTION ENTRANCE	244 SY	\$25.00	\$6,100.00	\$30.00	\$7,320.00	\$13.00	\$3,172.00	\$44.00	\$10,736.00	\$105.34	\$25,702.96	
0091	INLET PROTECTION DEVICE, INSTALL, MAINTAIN AND REMOVE	20 EA	\$500.00	\$10,000.00	\$250.00	\$5,000.00	\$222.00	\$4,440.00	\$275.00	\$5,500.00	\$373.43	\$7,468.60	
0092	PRIVACY FENCE, WOOD PLANK	85 LF	\$100.00	\$8,500.00	\$32.00	\$2,720.00	\$111.00	\$9,435.00	\$30.00	\$2,550.00	\$35.03	\$2,977.55	
0093	REMOVAL OF FENCE	121 LF	\$15.00	\$1,815.00	\$10.00	\$1,210.00	\$28.00	\$3,388.00	\$10.00	\$1,210.00	\$9.90	\$1,197.90	
0094	REMOVE AND REINSTALL EXISTING MODULAR BLOCK RETAINING WALL	150 SF	\$100.00	\$15,000.00	\$50.00	\$7,500.00	\$55.00	\$8,250.00	\$60.00	\$9,000.00	\$51.48	\$7,722.00	
0095	CONSTRUCTION SURVEY & MONUMENT PRESERVATION	1 AL	\$45,000.00	\$45,000.00	\$45,000.00	\$45,000.00	\$45,000.00	\$45,000.00	\$45,000.00	\$45,000.00	\$45,000.00	\$45,000.00	
0096	MOBILIZATION	1 LS	\$251,469.50	\$251,469.50	\$400,000.00	\$400,000.00	\$274,000.00	\$274,000.00	\$200,000.00	\$200,000.00	\$333,240.00	\$333,240.00	
0097	MAINTENANCE OF POSTAL SERVICE	1 LS	\$5,000.00	\$5,000.00	\$15,000.00	\$15,000.00	\$5,600.00	\$5,600.00	\$12,000.00	\$12,000.00	\$4,400.00	\$4,400.00	
0098	MAINTENANCE OF SOLID WASTE COLLECTION	1 LS	\$5,000.00	\$5,000.00	\$15,000.00	\$15,000.00	\$19,150.00	\$19,150.00	\$7,200.00	\$7,200.00	\$6,600.00	\$6,600.00	
0099	TEMPORARY BARRIER RAIL	600 LF	\$65.00	\$39,000.00	\$15.00	\$9,000.00	\$17.00	\$10,200.00	\$40.00	\$24,000.00	\$38.50	\$23,100.00	
0100	CONCRETE WASHOUT	1 LS	\$1,500.00	\$1,500.00	\$15,000.00	\$15,000.00	\$2,750.00	\$2,750.00	\$3,175.00	\$3,175.00	\$4,950.00	\$4,950.00	
0101	32 LB MAGNESIUM ANODE	6 EA	\$1,000.00	\$6,000.00	\$1,000.00	\$6,000.00	\$714.00	\$4,284.00	\$1,500.00	\$9,000.00	\$1,474.00	\$8,844.00	
0102	EMERGENCY CLOSURE FOR FOUND SINK HOLES	5 EA	\$10,000.00	\$50,000.00	\$1,500.00	\$7,500.00	\$1,700.00	\$8,500.00	\$5,000.00	\$25,000.00	\$6,600.00	\$33,000.00	
0103	OBJECT MARKER	8 EA	\$550.00	\$4,400.00	\$300.00	\$2,400.00	\$333.00	\$2,664.00	\$220.00	\$1,760.00	\$220.00	\$1,760.00	
0104	TROLLEY TRACK REMOVAL	1000 LF	\$75.00	\$75,000.00	\$7.50	\$7,500.00	\$43.00	\$43,000.00	\$40.00	\$40,000.00	\$385.00	\$385,000.00	
0105	FROST FOOTING	5 EA	\$5,000.00	\$25,000.00	\$2,500.00	\$12,500.00	\$2,800.00	\$14,000.00	\$4,000.00	\$20,000.00	\$4,125.00	\$20,625.00	
0106	PORTABLE DYNAMIC MESSAGE SIGN (PDMS)	75 CDAY	\$250.00	\$18,750.00	\$125.00	\$9,375.00	\$139.00	\$10,425.00	\$165.00	\$12,375.00	\$165.00	\$12,375.00	
0107	PCC MANHOLE BOXOUT	15 EA	\$1,000.00	\$15,000.00	\$1,250.00	\$18,750.00	\$1,550.00	\$23,250.00	\$250.00	\$3,750.00	\$8,250.00	\$123,750.00	
TOTAL CONSTRUCTION COST					\$4,175,000.00		\$4,373,041.85		\$4,417,525.00		\$4,968,306.10		\$5,025,198.83
PERCENT OF ENGINEER'S ESTIMATE							+4.74%		+5.81%		+19.00%		+20.36%
							Low						

TABULATED BY: N. Smith
CHECKED BY: ckk

APPROVED BY



S.M. Hentges & Sons, Inc.
Jordan, MN

BID SECURITY
10% Bid Bond

CONTRACTOR'S BID TABULATION

PROJECT: University Avenue - 39th Street to 48th Street Improvements

-----ESTIMATE-----

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT
0001	CLEARING AND GRUBBING	1 LS	\$20,000.00	\$20,000.00	\$15,000.00	\$15,000.00
0002	TOPSOIL, OFF-SITE	250 CY	\$20.00	\$5,000.00	\$100.00	\$25,000.00
0003	EXCAVATION, CLASS 13, ROADWAY AND BORROW	1000 CY	\$40.00	\$40,000.00	\$60.00	\$60,000.00
0004	SUBGRADE TREATMENT, GEO-GRID, TYPE 2	2503 SY	\$7.00	\$17,521.00	\$20.00	\$50,060.00
0005	SUBBASE, MODIFIED, 6 INCH	3377 SY	\$15.00	\$50,655.00	\$20.00	\$67,540.00
0006	EXPLORATORY EXCAVATION	10 EA	\$500.00	\$5,000.00	\$1,000.00	\$10,000.00
0007	REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL	500 TON	\$40.00	\$20,000.00	\$50.00	\$25,000.00
0008	SANITARY SEWER SERVICE RELOCATION	5 EA	\$3,000.00	\$15,000.00	\$6,000.00	\$30,000.00
0009	STORM SEWER, TRENCHED, 15 INCH	80 LF	\$100.00	\$8,000.00	\$300.00	\$24,000.00
0010	STORM SEWER, TRENCHED, 18 INCH	38 LF	\$120.00	\$4,560.00	\$300.00	\$11,400.00
0011	STORM SEWER, TRENCHED, 24 INCH	14 LF	\$150.00	\$2,100.00	\$500.00	\$7,000.00
0012	STORM SEWER, TRENCHED, 48 INCH	123 LF	\$300.00	\$36,900.00	\$750.00	\$92,250.00
0013	STORM SEWER, TRENCHED, 72 INCH	326 LF	\$500.00	\$163,000.00	\$1,190.00	\$387,940.00
0014	REMOVAL OF STORM SEWER PIPE	535 LF	\$35.00	\$18,725.00	\$60.00	\$32,100.00
0015	PIPE APRON, CONCRETE, 72 INCH	1 EA	\$15,000.00	\$15,000.00	\$40,000.00	\$40,000.00
0016	SANITARY SEWER CLEANING AND TELEVISION	10 HR	\$500.00	\$5,000.00	\$1,000.00	\$10,000.00
0017	SPOT REPAIRS BY PIPE REPLACEMENT, SANITARY SEWER	175 LF	\$150.00	\$26,250.00	\$175.00	\$30,625.00
0018	WATERMAIN, TRENCHED, CL52, 8 INCH, WITH NITRILE GASKETS, REST	180 LF	\$150.00	\$27,000.00	\$200.00	\$36,000.00
0019	WATERMAIN, TRENCHED, CL52, 12 INCH, WITH NITRILE GASKETS, REST	192 LF	\$150.00	\$28,800.00	\$425.00	\$81,600.00
0020	REMOVAL OF WATERMAIN	314 LF	\$15.00	\$4,710.00	\$30.00	\$9,420.00
0021	FITTINGS BY WEIGHT, DUCTILE IRON	1700 LB	\$12.00	\$20,400.00	\$20.00	\$34,000.00
0022	NEW STOP BOX HOUSING	5 EA	\$1,000.00	\$5,000.00	\$1,000.00	\$5,000.00
0023	NEW STOP BOX ROD	5 EA	\$1,000.00	\$5,000.00	\$500.00	\$2,500.00
0024	RELOCATION OF WATER SERVICE	5 EA	\$2,500.00	\$12,500.00	\$5,500.00	\$27,500.00
0025	NEW WATER SERVICE	5 EA	\$1,500.00	\$7,500.00	\$5,500.00	\$27,500.00
0026	LOWER WATER SERVICE	5 EA	\$1,800.00	\$9,000.00	\$3,000.00	\$15,000.00
0027	RELOCATE STOP BOX	5 EA	\$1,000.00	\$5,000.00	\$1,500.00	\$7,500.00
0028	VALVE, GATE, DIP, 8 IN.	1 EA	\$4,500.00	\$4,500.00	\$10,000.00	\$10,000.00
0029	VALVE, GATE, DIP, 12 IN.	2 EA	\$7,000.00	\$14,000.00	\$15,000.00	\$30,000.00
0030	FIRE HYDRANT ASSEMBLY	3 EA	\$7,000.00	\$21,000.00	\$15,000.00	\$45,000.00
0031	FLUSHING DEVICE (TEMPORARY BLOWOFF HYDRANT)	1 EA	\$2,500.00	\$2,500.00	\$8,500.00	\$8,500.00
0032	VALVE BOX REPLACEMENT	3 EA	\$1,000.00	\$3,000.00	\$1,000.00	\$3,000.00
0033	FIRE HYDRANT ASSEMBLY REMOVAL	3 EA	\$1,500.00	\$4,500.00	\$2,500.00	\$7,500.00
0034	STORM MANHOLE, SW-301, 48 INCH	1 EA	\$8,000.00	\$8,000.00	\$15,000.00	\$15,000.00
0035	STORM MANHOLE, SW-401, 48 INCH	2 EA	\$10,000.00	\$20,000.00	\$15,000.00	\$30,000.00
0036	STORM MANHOLE, SW-401, 72 INCH	2 EA	\$18,000.00	\$36,000.00	\$40,000.00	\$80,000.00
0037	STORM MANHOLE, SW-404	2 EA	\$35,000.00	\$70,000.00	\$75,000.00	\$150,000.00
0038	INTAKE, SW-501	4 EA	\$4,000.00	\$16,000.00	\$18,000.00	\$72,000.00
0039	INTAKE, SW-505	2 EA	\$6,000.00	\$12,000.00	\$25,000.00	\$50,000.00
0040	INTAKE, SW-505, MODIFIED, TRIPLE INTAKE	1 EA	\$15,000.00	\$15,000.00	\$30,000.00	\$30,000.00
0041	INTAKE, SW-516, MODIFIED	3 EA	\$60,000.00	\$180,000.00	\$70,000.00	\$210,000.00
0042	EXTERNAL DROP CONNECTION	1 LS	\$15,000.00	\$15,000.00	\$35,000.00	\$35,000.00
0043	MANHOLE ADJUSTMENT, MINOR	12 EA	\$1,500.00	\$18,000.00	\$3,000.00	\$36,000.00
0044	INTAKE ADJUSTMENT, MINOR	1 EA	\$1,500.00	\$1,500.00	\$4,500.00	\$4,500.00
0045	MANHOLE ADJUSTMENT, MAJOR	1 EA	\$3,000.00	\$3,000.00	\$7,000.00	\$7,000.00
0046	REMOVE MANHOLE	3 EA	\$5,000.00	\$15,000.00	\$10,000.00	\$30,000.00
0047	REMOVE INTAKE	9 EA	\$5,000.00	\$45,000.00	\$10,000.00	\$90,000.00
0048	PAVEMENT, PCC, 8 INCH, PARKING	707 SY	\$100.00	\$70,700.00	\$75.00	\$53,025.00
0049	PAVEMENT, PCC, 10 INCH, BASE	876 SY	\$100.00	\$87,600.00	\$81.00	\$70,956.00
0050	CURB AND GUTTER, 2 FOOT, 8 INCH	3197 LF	\$40.00	\$127,880.00	\$55.00	\$175,835.00

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT
0051	COLORED PCC PAVEMENT, 8 INCH, STAMPED	112 SY	\$150.00	\$16,800.00	\$135.00	\$15,120.00
0052	PCC MEDIAN, 4 INCH, SLOPED	165 SY	\$100.00	\$16,500.00	\$170.00	\$28,050.00
0053	HMA HT SURFACE, 1/2" MIX, NO FRIC, PG 58-28H	2713 TON	\$110.00	\$298,430.00	\$115.00	\$311,995.00
0054	HMA HT SURFACE, 1/2" MIX, NO FRIC, PG 58-28H WITH NEWROAD HYBR	1375 TON	\$115.00	\$158,125.00	\$115.00	\$158,125.00
0055	HMA ST BASE, 3/4" MIX, NO FRIC, PG 58-28S	65 TON	\$100.00	\$6,500.00	\$155.00	\$10,075.00
0056	HMA ST INTERMEDIATE, 1/2" MIX, NO FRIC, PG 58-28S	65 TON	\$100.00	\$6,500.00	\$155.00	\$10,075.00
0057	HMA ST SURFACE, 1/2" MIX, NO FRIC, PG 58-28S	45 TON	\$110.00	\$4,950.00	\$175.00	\$7,875.00
0058	REMOVAL OF SIDEWALK	1984 SY	\$17.00	\$33,728.00	\$8.00	\$15,872.00
0059	REMOVAL OF DRIVEWAY	1446 SY	\$17.00	\$24,582.00	\$15.00	\$21,690.00
0060	SIDEWALK, PCC, 5 INCH	2129 SY	\$65.00	\$138,385.00	\$72.00	\$153,288.00
0061	SIDEWALK, PCC, 6 INCH	438 SY	\$75.00	\$32,850.00	\$120.00	\$52,560.00
0062	SIDEWALK, PCC, 6 INCH, REINFORCED	19 SY	\$80.00	\$1,520.00	\$100.00	\$1,900.00
0063	SIDEWALK, COLORED PCC, 6 INCH	925 SY	\$150.00	\$138,750.00	\$145.00	\$134,125.00
0064	DETECTABLE WARNING	715 SF	\$75.00	\$53,625.00	\$55.00	\$39,325.00
0065	DRIVEWAY, PCC, 6 INCH	806.5 SY	\$75.00	\$60,487.50	\$90.00	\$72,585.00
0066	DRIVEWAY, PCC, 8 INCH	305 SY	\$85.00	\$25,925.00	\$110.00	\$33,550.00
0067	DRIVEWAY, GRANULAR, TEMPORARY CLASS A	200 TON	\$50.00	\$10,000.00	\$70.00	\$14,000.00
0068	FULL DEPTH PATCHES, HMA	1100 SY	\$125.00	\$137,500.00	\$100.00	\$110,000.00
0069	FULL DEPTH PATCHES, COMPOSITE	1100 SY	\$160.00	\$176,000.00	\$150.00	\$165,000.00
0070	MILLING, 2 INCH	21582 SY	\$5.00	\$107,910.00	\$3.50	\$75,537.00
0071	MILLING, 3 INCH	7559 SY	\$6.00	\$45,354.00	\$5.00	\$37,795.00
0072	PAVEMENT REMOVAL	4219 SY	\$15.00	\$63,285.00	\$20.00	\$84,380.00
0073	CURB AND GUTTER REMOVAL	370 LF	\$12.00	\$4,440.00	\$50.00	\$18,500.00
0074	TRAFFIC SIGNALIZATION	1 LS	\$353,331.00	\$353,331.00	\$380,000.00	\$380,000.00
0075	PAINTED PAVEMENT MARKINGS, DURABLE, EPOXY	305 STA	\$110.00	\$33,550.00	\$155.00	\$47,275.00
0076	PAINTED PAVEMENT MARKINGS, METHYL METHACRYLATE (MMA)	336 SF	\$22.00	\$7,392.00	\$105.00	\$35,280.00
0077	PAINTED SYMBOLS AND LEGENDS, DURABLE, EPOXY	63 EA	\$300.00	\$18,900.00	\$210.00	\$13,230.00
0078	PAVEMENT MARKINGS REMOVED	5 STA	\$40.00	\$200.00	\$520.00	\$2,600.00
0079	SYMBOLS AND LEGENDS REMOVED	5 EA	\$150.00	\$750.00	\$260.00	\$1,300.00
0080	GROOVES CUT FOR PAVEMENT MARKINGS	305 STA	\$55.00	\$16,775.00	\$155.00	\$47,275.00
0081	GROOVES CUT FOR SYMBOLS AND LEGENDS	63 EA	\$150.00	\$9,450.00	\$210.00	\$13,230.00
0082	REMOVE AND REINSTALL SIGN, AS PER PLAN	12 EA	\$450.00	\$5,400.00	\$215.00	\$2,580.00
0083	REMOVE SIGN AND SIGN POST	73 EA	\$100.00	\$7,300.00	\$90.00	\$5,840.00
0084	TYPE A SIGN, SHEET ALUMINUM	611 SF	\$100.00	\$61,100.00	\$50.00	\$30,550.00
0085	TEMPORARY TRAFFIC CONTROL	1 LS	\$100,000.00	\$100,000.00	\$95,000.00	\$95,000.00
0086	CONVENTIONAL SEEDING, SEEDING, FERTILIZING, AND MULCHING	0.5 AC	\$10,000.00	\$5,000.00	\$12,500.00	\$6,250.00
0087	FILTER SOCK, 9 INCH, INSTALL, MAINTAIN AND REMOVE	6000 LF	\$3.00	\$18,000.00	\$2.50	\$15,000.00
0088	TEMPORARY RECP, WOOD EXCELSIOR MAT	574 SY	\$5.00	\$2,870.00	\$3.00	\$1,722.00
0089	RIP RAP, CLASS 'E'	250 TON	\$90.00	\$22,500.00	\$75.00	\$18,750.00
0090	STABILIZED CONSTRUCTION ENTRANCE	244 SY	\$25.00	\$6,100.00	\$50.00	\$12,200.00
0091	INLET PROTECTION DEVICE, INSTALL, MAINTAIN AND REMOVE	20 EA	\$500.00	\$10,000.00	\$250.00	\$5,000.00
0092	PRIVACY FENCE, WOOD PLANK	85 LF	\$100.00	\$8,500.00	\$100.00	\$8,500.00
0093	REMOVAL OF FENCE	121 LF	\$15.00	\$1,815.00	\$20.00	\$2,420.00
0094	REMOVE AND REINSTALL EXISTING MODULAR BLOCK RETAINING WALL	150 SF	\$100.00	\$15,000.00	\$80.00	\$12,000.00
0095	CONSTRUCTION SURVEY & MONUMENT PRESERVATION	1 AL	\$45,000.00	\$45,000.00	\$45,000.00	\$45,000.00
0096	MOBILIZATION	1 LS	\$251,469.50	\$251,469.50	\$251,275.00	\$251,275.00
0097	MAINTENANCE OF POSTAL SERVICE	1 LS	\$5,000.00	\$5,000.00	\$7,500.00	\$7,500.00
0098	MAINTENANCE OF SOLID WASTE COLLECTION	1 LS	\$5,000.00	\$5,000.00	\$15,000.00	\$15,000.00
0099	TEMPORARY BARRIER RAIL	600 LF	\$65.00	\$39,000.00	\$30.00	\$18,000.00
0100	CONCRETE WASHOUT	1 LS	\$1,500.00	\$1,500.00	\$5,000.00	\$5,000.00
0101	32 LB MAGNESIUM ANODE	6 EA	\$1,000.00	\$6,000.00	\$1,000.00	\$6,000.00
0102	EMERGENCY CLOSURE FOR FOUND SINK HOLES	5 EA	\$10,000.00	\$50,000.00	\$1,500.00	\$7,500.00
0103	OBJECT MARKER	8 EA	\$550.00	\$4,400.00	\$500.00	\$4,000.00
0104	TROLLEY TRACK REMOVAL	1000 LF	\$75.00	\$75,000.00	\$30.00	\$30,000.00
0105	FROST FOOTING	5 EA	\$5,000.00	\$25,000.00	\$4,000.00	\$20,000.00
0106	PORTABLE DYNAMIC MESSAGE SIGN (PDMS)	75 CDAY	\$250.00	\$18,750.00	\$150.00	\$11,250.00
0107	PCC MANHOLE BOXOUT	15 EA	\$1,000.00	\$15,000.00	\$1,500.00	\$22,500.00
TOTAL CONSTRUCTION COST				\$4,175,000.00		\$5,177,700.00
PERCENT OF ENGINEER'S ESTIMATE						+24.02%