

DATE February 22, 2016

PUBLIC HEARING, APPROVING PLANS, SPECIFICATIONS, FORM OF CONTRACT DOCUMENTS, AND ENGINEER'S ESTIMATE ON 2015 ROADWAY RECONSTRUCTION PROGRAM; RECEIVE AND FILE BIDS; AND DESIGNATION OF LOWEST RESPONSIVE, RESPONSIBLE BIDDER AS GRIMES ASPHALT AND PAVING CORPORATION, KURT RASMUSSEN, PRESIDENT, \$1,048,914.40

WHEREAS, on January 25, 2016, under Roll Call No. 16-0103, 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:

2015 Roadway Reconstruction Program, 06-2015-008

The improvement includes reconstruction of E. Court Avenue from S.E. 14th Street to Redhead Road with new full-depth Hot Mix Asphalt (HMA) including new curb & gutter, resurfacing of 31st Street from Woodland Avenue to I-235 with full-depth patching and sidewalk reconstruction. These projects will include scarification/pavement removal, furnish and place HMA, pavement markings, sidewalk ramps, and miscellaneous associated work including cleanup; in accordance with the contract documents, including Plan File Nos. 571-115/164, at two locations: E. Court Avenue from S.E. 14th Street to Redhead Road and 31st Street from Woodland Avenue to I-235, 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.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DES MOINES, IOWA: That the hearing on the plans, specifications, form of contract documents, and Engineer's estimate of construction cost for said improvement be closed; and that said plans, specifications, form of contract documents, and Engineer's estimate of construction cost are hereby approved as the plans, specifications, form of contract documents, and Engineer's estimate of construction cost for said improvement.

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

- Grimes Asphalt and Paving Corporation Des Moines, IA
Hawkeye Paving Corp. Bettendorf, IA
OMG Midwest, Inc. d/b/a Des Moines Asphalt & Paving Des Moines, IA
T K Concrete Inc. Pella, IA
Jasper Construction Services, Inc. Newton, IA

DATE February 22, 2016

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 February 9, 2016. Said bids and the attached tabulation of bids for said improvement be and are hereby received and filed.

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 Grimes Asphalt and Paving Corporation, Kurt Rasmussen, President, 5550 NE 22nd Street, Des Moines, IA, 50313 in the amount of \$1,048,914.40, 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.

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 road closures for the Project.

(City Council Communication Number 16-085 attached.)

Moved by _____ to adopt.

FORM APPROVED:

FUNDS AVAILABLE



Kathleen Vanderpool
Deputy City Attorney

Daniel E. Ritter
Des Moines Finance Director

PSL Funding Source: 2016-2017 CIP, Page Street - 30, Roadway Reconstruction, ST260, Being: \$500,000 G.O. Bonds; (Page Street - 24, Neighborhood Infrastructure Rehabilitation Program, ST205), \$100,000 Gaming funds for E. Court Avenue (Page Street - 39, Special City-wide Street Improvements ST217), and the remaining \$448,914.40 in Road Use Tax Funds for (Roadway Reconstruction, ST260)

★ Roll Call Number

Agenda Item Number

61

DATE February 22, 2016

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
COLEMAN				
GATTO				
GRAY				
HENSLEY				
MOORE				
WESTERGAARD				
TOTAL				

MOTION CARRIED

APPROVED

Mayor

I, Diane Rauh, 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.

City Clerk

TABULATED BY: M. BECKER APPROVED BY: R. De Groot
CHECKED BY: [Signature]

GRIMES ASPHALT
AND PAVING CORP.
DES MOINES, IA

HAWKEYE PAVING CORP
BETTENDORF, IA

OMG MIDWEST, INC.
dba DES MOINES
ASPHALT & PAVING
ANKENY, IA

CONTRACTOR'S BID TABULATION
PROJECT: 2015 ROADWAY RECONSTRUCTION PROGRAM

BID SECURITY
10% BID BOND
BID PRICE

BID SECURITY
10% BID BOND
BID PRICE

BID SECURITY
10% BID BOND
BID PRICE

-----ESTIMATE-----

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
1	TOPSOIL, OFF - SITE	310 CY	\$40.00	\$12,400.00	\$80.00	\$24,800.00	\$75.00	\$23,250.00	\$90.00	\$27,900.00
2	SUBGRADE TREATMENT - GEOGRID	960 SY	\$5.00	\$4,800.00	\$6.00	\$5,760.00	\$5.00	\$4,800.00	\$5.00	\$4,800.00
3	INTAKE, TYPE SW-507	1 EACH	\$7,000.00	\$7,000.00	\$9,000.00	\$9,000.00	\$5,300.00	\$5,300.00	\$8,500.00	\$8,500.00
4	INTAKE, REMOVE	1 EACH	\$800.00	\$800.00	\$3,000.00	\$3,000.00	\$900.00	\$900.00	\$950.00	\$950.00
5	MANHOLE ADJUSTMENT, PCC DIAMOND	8 EACH	\$2,000.00	\$16,000.00	\$2,100.00	\$16,800.00	\$1,200.00	\$9,600.00	\$3,000.00	\$24,000.00
6	CLEANING AND PREPARATION OF BASE	0.33 MILE	\$5,000.00	\$1,650.00	\$8,000.00	\$2,640.00	\$15,000.00	\$4,950.00	\$20,238.72	\$6,678.78
7	CURB AND GUTTER, PCC	4827 LF	\$20.00	\$96,540.00	\$25.00	\$120,675.00	\$45.00	\$217,215.00	\$25.00	\$120,675.00
8	BEAM CURB, PCC	145 LF	\$15.00	\$2,175.00	\$35.00	\$5,075.00	\$65.00	\$9,425.00	\$60.00	\$8,700.00
9	CONCRETE MEDIAN, 8 INCH	32 SY	\$60.00	\$1,920.00	\$211.00	\$6,752.00	\$95.00	\$3,040.00	\$200.00	\$6,400.00
10	TRAFFIC SIGNAL POLES, FURNISH ONLY	1 LS	\$12,000.00	\$12,000.00	\$20,000.00	\$20,000.00	\$18,000.00	\$18,000.00	\$20,100.00	\$20,100.00
11	HMA (3M ESAL) BASE, 3/4" MIX	2140 TON	\$130.00	\$278,200.00	\$101.00	\$216,140.00	\$125.00	\$267,500.00	\$125.00	\$267,500.00
12	HMA (3M ESAL) LEVELING, 1/2" MIX	210 TON	\$120.00	\$25,200.00	\$110.00	\$23,100.00	\$125.00	\$26,250.00	\$125.00	\$26,250.00
13	HMA (3M ESAL) SURFACE, 1/2" MIX, NO FRIC	1630 TON	\$120.00	\$195,600.00	\$110.00	\$179,300.00	\$125.00	\$203,750.00	\$125.00	\$203,750.00
14	REMOVAL OF SIDEWALK	510 SY	\$15.00	\$7,650.00	\$18.00	\$9,180.00	\$10.00	\$5,100.00	\$13.00	\$6,630.00
15	REMOVAL OF DRIVEWAY	273 SY	\$15.00	\$4,095.00	\$40.00	\$10,920.00	\$10.00	\$2,730.00	\$13.00	\$3,549.00
16	SIDEWALK, PCC, 4 INCH THICK	150 SY	\$40.00	\$6,000.00	\$88.00	\$13,200.00	\$80.00	\$12,000.00	\$50.00	\$7,500.00
17	SIDEWALK, PCC, 6 INCH THICK	490 SY	\$50.00	\$24,500.00	\$106.00	\$51,940.00	\$92.00	\$45,080.00	\$60.00	\$29,400.00
18	DETECTABLE WARNING	468 SF	\$45.00	\$21,060.00	\$36.00	\$16,848.00	\$35.00	\$16,380.00	\$60.00	\$28,080.00
19	DRIVEWAY, PCC	460 SY	\$50.00	\$23,000.00	\$90.00	\$41,400.00	\$72.00	\$33,120.00	\$65.00	\$29,900.00
20	FULL DEPTH PATCH, PCC	30 SY	\$125.00	\$3,750.00	\$206.00	\$6,180.00	\$150.00	\$4,500.00	\$125.00	\$3,750.00
21	FULL DEPTH PATCH, HMA (3M ESAL)	350 SY	\$75.00	\$26,250.00	\$76.00	\$26,600.00	\$110.00	\$38,500.00	\$80.00	\$28,000.00
22	SUBBASE OVER-EXCAVATION	400 TON	\$30.00	\$12,000.00	\$56.00	\$22,400.00	\$20.00	\$8,000.00	\$35.00	\$14,000.00
23	PAVEMENT SCARIFICATION	7740 SY	\$3.50	\$27,090.00	\$5.00	\$38,700.00	\$3.00	\$23,220.00	\$4.25	\$32,895.00
24	PAVEMENT REMOVAL	6270 SY	\$10.00	\$62,700.00	\$11.50	\$72,105.00	\$10.00	\$62,700.00	\$15.00	\$94,050.00
25	SOD	325 SY	\$50.00	\$16,250.00	\$66.00	\$21,450.00	\$60.00	\$19,500.00	\$65.00	\$21,125.00
26	FILTER SOCK, 9 INCH DIA.	500 LF	\$2.50	\$1,250.00	\$2.40	\$1,200.00	\$2.00	\$1,000.00	\$2.50	\$1,250.00
27	FILTER SOCK, REMOVAL	500 LF	\$0.50	\$250.00	\$0.60	\$300.00	\$1.00	\$500.00	\$0.60	\$300.00
28	EROSION CONTROL MULCHING, HYDROMULCHING	1 ACRE	\$2,000.00	\$2,000.00	\$2,100.00	\$2,100.00	\$1,800.00	\$1,800.00	\$2,100.00	\$2,100.00
29	EROSION CONTROL	1 LS	\$1,000.00	\$1,000.00	\$2,100.00	\$2,100.00	\$1,800.00	\$1,800.00	\$2,100.00	\$2,100.00
30	CONCRETE STEPS, TYPE B	46 SF	\$100.00	\$4,600.00	\$187.00	\$8,602.00	\$65.00	\$2,990.00	\$100.00	\$4,600.00
31	HANDRAIL, BLACK STEEL PIPE	16 LF	\$30.00	\$480.00	\$42.00	\$672.00	\$250.00	\$4,000.00	\$150.00	\$2,400.00
32	REMOVAL OF CONCRETE STEPS	46 SF	\$2.00	\$92.00	\$24.00	\$1,104.00	\$15.00	\$690.00	\$40.00	\$1,840.00
33	REMOVAL OF RAILROAD TRACK	40 TLF	\$10.00	\$400.00	\$72.00	\$2,880.00	\$70.00	\$2,800.00	\$155.00	\$6,200.00
34	MOBILIZATION	1 LS	\$71,050.00	\$71,050.00	\$9,000.00	\$9,000.00	\$25,000.00	\$25,000.00	\$75,000.00	\$75,000.00
35	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	35.8 STA	\$60.00	\$2,148.00	\$21.00	\$751.80	\$19.00	\$680.20	\$21.75	\$778.65
36	INLAY PAVEMENT MARKINGS, PROFILED MARKING TAPE	48 STA	\$700.00	\$33,600.00	\$425.00	\$20,400.00	\$400.00	\$19,200.00	\$475.00	\$22,800.00
37	PERMANENT PAVEMENT MARKINGS, PROFILED MARKING TAPE	9.2 STA	\$800.00	\$7,360.00	\$400.00	\$3,680.00	\$350.00	\$3,220.00	\$435.00	\$4,002.00
38	PAINTED SYMBOLS AND LEGENDS, WATERBORNE OR SOLVENT-BASED	4 EACH	\$85.00	\$340.00	\$132.00	\$528.00	\$120.00	\$480.00	\$140.00	\$560.00
39	INLAY PRE-CUT SYMBOLS AND LEGENDS, INTERSECTION MARKING TA	4 EACH	\$500.00	\$2,000.00	\$500.00	\$2,000.00	\$410.00	\$1,640.00	\$500.00	\$2,000.00
40	GROOVES CUT FOR PAVEMENT MARKINGS	9.2 STA	\$400.00	\$3,680.00	\$133.00	\$1,223.60	\$120.00	\$1,104.00	\$150.00	\$1,380.00
41	LOOP DETECTOR REPLACEMENT, 6' X 20'	2 EACH	\$1,200.00	\$2,400.00	\$1,100.00	\$2,200.00	\$1,000.00	\$2,000.00	\$1,200.00	\$2,400.00

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<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>PRICE</u>	<u>AMOUNT</u>	<u>UNIT</u>	<u>PRICE</u>	<u>AMOUNT</u>	<u>UNIT</u>	<u>PRICE</u>	<u>AMOUNT</u>	<u>UNIT</u>	<u>PRICE</u>	<u>AMOUNT</u>
42	TRAFFIC CONTROL	1	LS	\$15,000.00	\$15,000.00	\$13,000.00		\$13,000.00	\$20,000.00		\$20,000.00	\$15,000.00		\$15,000.00
43	FLAGGERS, UNIFORMED POLICE OFFICER	14	DAY	\$550.00	\$7,700.00	\$550.00		\$7,700.00	\$550.00		\$7,700.00	\$550.00		\$7,700.00
44	FLAGGERS, CERTIFIED	12	EACH	\$435.00	\$5,220.00	\$435.00		\$5,220.00	\$435.00		\$5,220.00	\$435.00		\$5,220.00
45	PROJECT SIGN, SMALL	4	EACH	\$200.00	\$800.00	\$72.00		\$288.00	\$60.00		\$240.00	\$100.00		\$400.00
TOTAL CONSTRUCTION COST					\$1,050,000.00			\$1,048,914.40			\$1,166,874.20			\$1,183,113.43
PERCENT OF ENGINEER'S ESTIMATE								-0.10%			+11.13%			+12.68%
							Low							

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TABULATED BY: M. BECKER APPROVED BY _____
CHECKED BY: *M. Becker*

TK CONCRETE, INC.
PELLA, IA

JASPER CONSTRUCTION
SERVICES, INC.
NEWTON, IA

CONTRACTOR'S BID TABULATION
PROJECT: 2015 ROADWAY RECONSTRUCTION PROGRAM

BID SECURITY
10% BID BOND
BID PRICE

BID SECURITY
10% BID BOND
BID PRICE

BID SECURITY
10% BID BOND
BID PRICE

-----ESTIMATE-----

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
1	TOPSOIL, OFF - SITE	310 CY	\$40.00	\$12,400.00	\$50.00	\$15,500.00	\$45.00	\$13,950.00		
2	SUBGRADE TREATMENT - GEOGRID	960 SY	\$5.00	\$4,800.00	\$4.50	\$4,320.00	\$5.00	\$4,800.00		
3	INTAKE, TYPE SW-507	1 EACH	\$7,000.00	\$7,000.00	\$9,500.00	\$9,500.00	\$8,000.00	\$8,000.00		
4	INTAKE, REMOVE	1 EACH	\$800.00	\$800.00	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00		
5	MANHOLE ADJUSTMENT, PCC DIAMOND	8 EACH	\$2,000.00	\$16,000.00	\$2,500.00	\$20,000.00	\$2,000.00	\$16,000.00		
6	CLEANING AND PREPARATION OF BASE	0.33 MILE	\$5,000.00	\$1,650.00	\$10,500.00	\$3,465.00	\$25,000.00	\$8,250.00		
7	CURB AND GUTTER, PCC	4827 LF	\$20.00	\$96,540.00	\$28.00	\$135,156.00	\$25.00	\$120,675.00		
8	BEAM CURB, PCC	145 LF	\$15.00	\$2,175.00	\$25.00	\$3,625.00	\$50.00	\$7,250.00		
9	CONCRETE MEDIAN, 8 INCH	32 SY	\$60.00	\$1,920.00	\$125.00	\$4,000.00	\$100.00	\$3,200.00		
10	TRAFFIC SIGNAL POLES, FURNISH ONLY	1 LS	\$12,000.00	\$12,000.00	\$21,350.00	\$21,350.00	\$20,000.00	\$20,000.00		
11	HMA (3M ESAL) BASE, 3/4" MIX	2140 TON	\$130.00	\$278,200.00	\$126.00	\$269,640.00	\$110.00	\$235,400.00		
12	HMA (3M ESAL) LEVELING, 1/2" MIX	210 TON	\$120.00	\$25,200.00	\$137.50	\$28,875.00	\$125.00	\$26,250.00		
13	HMA (3M ESAL) SURFACE, 1/2" MIX, NO FRIC	1630 TON	\$120.00	\$195,600.00	\$137.50	\$224,125.00	\$125.00	\$203,750.00		
14	REMOVAL OF SIDEWALK	510 SY	\$15.00	\$7,650.00	\$15.00	\$7,650.00	\$20.00	\$10,200.00		
15	REMOVAL OF DRIVEWAY	273 SY	\$15.00	\$4,095.00	\$15.00	\$4,095.00	\$20.00	\$5,460.00		
16	SIDEWALK, PCC, 4 INCH THICK	150 SY	\$40.00	\$6,000.00	\$58.50	\$8,775.00	\$75.00	\$11,250.00		
17	SIDEWALK, PCC, 6 INCH THICK	490 SY	\$50.00	\$24,500.00	\$75.00	\$36,750.00	\$100.00	\$49,000.00		
18	DETECTABLE WARNING	468 SF	\$45.00	\$21,060.00	\$44.00	\$20,592.00	\$70.00	\$32,760.00		
19	DRIVEWAY, PCC	460 SY	\$50.00	\$23,000.00	\$60.00	\$27,600.00	\$85.00	\$39,100.00		
20	FULL DEPTH PATCH, PCC	30 SY	\$125.00	\$3,750.00	\$150.00	\$4,500.00	\$200.00	\$6,000.00		
21	FULL DEPTH PATCH, HMA (3M ESAL)	350 SY	\$75.00	\$26,250.00	\$95.00	\$33,250.00	\$80.00	\$28,000.00		
22	SUBBASE OVER-EXCAVATION	400 TON	\$30.00	\$12,000.00	\$35.00	\$14,000.00	\$50.00	\$20,000.00		
23	PAVEMENT SCARIFICATION	7740 SY	\$3.50	\$27,090.00	\$6.00	\$46,440.00	\$6.00	\$46,440.00		
24	PAVEMENT REMOVAL	6270 SY	\$10.00	\$62,700.00	\$8.50	\$53,295.00	\$14.00	\$87,780.00		
25	SOD	325 SQ	\$50.00	\$16,250.00	\$70.00	\$22,750.00	\$60.00	\$19,500.00		
26	FILTER SOCK, 9 INCH DIA.	500 LF	\$2.50	\$1,250.00	\$3.00	\$1,500.00	\$2.50	\$1,250.00		
27	FILTER SOCK, REMOVAL	500 LF	\$0.50	\$250.00	\$1.00	\$500.00	\$0.75	\$375.00		
28	EROSION CONTROL MULCHING, HYDROMULCHING	1 ACRE	\$2,000.00	\$2,000.00	\$2,500.00	\$2,500.00	\$2,000.00	\$2,000.00		
29	EROSION CONTROL	1 LS	\$1,000.00	\$1,000.00	\$2,500.00	\$2,500.00	\$2,000.00	\$2,000.00		
30	CONCRETE STEPS, TYPE B	46 SF	\$100.00	\$4,600.00	\$125.00	\$5,750.00	\$75.00	\$3,450.00		
31	HANDRAIL, BLACK STEEL PIPE	16 LF	\$30.00	\$480.00	\$160.00	\$2,560.00	\$150.00	\$2,400.00		
32	REMOVAL OF CONCRETE STEPS	46 SF	\$2.00	\$92.00	\$12.00	\$552.00	\$20.00	\$920.00		
33	REMOVAL OF RAILROAD TRACK	40 TLF	\$10.00	\$400.00	\$25.00	\$1,000.00	\$200.00	\$8,000.00		
34	MOBILIZATION	1 LS	\$71,050.00	\$71,050.00	\$92,250.00	\$92,250.00	\$100,000.00	\$100,000.00		
35	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	35.8 STA	\$60.00	\$2,148.00	\$30.00	\$1,074.00	\$20.00	\$716.00		
36	INLAY PAVEMENT MARKINGS, PROFILED MARKING TAPE	48 STA	\$700.00	\$33,600.00	\$550.00	\$26,400.00	\$400.00	\$19,200.00		
37	PERMANENT PAVEMENT MARKINGS, PROFILED MARKING TAPE	9.2 STA	\$800.00	\$7,360.00	\$500.00	\$4,600.00	\$400.00	\$3,680.00		
38	PAINTED SYMBOLS AND LEGENDS, WATERBORNE OR SOLVENT-BASED	4 EACH	\$85.00	\$340.00	\$150.00	\$600.00	\$150.00	\$600.00		
39	INLAY PRE-CUT SYMBOLS AND LEGENDS, INTERSECTION MARKING TA	4 EACH	\$500.00	\$2,000.00	\$525.00	\$2,100.00	\$450.00	\$1,800.00		
40	GROOVES CUT FOR PAVEMENT MARKINGS	9.2 STA	\$400.00	\$3,680.00	\$200.00	\$1,840.00	\$125.00	\$1,150.00		
41	LOOP DETECTOR REPLACEMENT, 6' X 20'	2 EACH	\$1,200.00	\$2,400.00	\$1,250.00	\$2,500.00	\$1,200.00	\$2,400.00		

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<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>PRICE</u>	<u>AMOUNT</u>	<u>UNIT</u>	<u>PRICE</u>	<u>AMOUNT</u>	<u>UNIT</u>	<u>PRICE</u>	<u>AMOUNT</u>	<u>UNIT</u>	<u>PRICE</u>	<u>AMOUNT</u>
42	TRAFFIC CONTROL	1	LS	\$15,000.00	\$15,000.00	\$17,500.00		\$17,500.00	\$15,000.00		\$15,000.00			
43	FLAGGERS, UNIFORMED POLICE OFFICER	14	DAY	\$550.00	\$7,700.00	\$550.00		\$7,700.00	\$550.00		\$7,700.00			
44	FLAGGERS, CERTIFIED	12	EACH	\$435.00	\$5,220.00	\$435.00		\$5,220.00	\$435.00		\$5,220.00			
45	PROJECT SIGN, SMALL	4	EACH	\$200.00	\$800.00	\$200.00		\$800.00	\$100.00		\$400.00			
TOTAL CONSTRUCTION COST					\$1,050,000.00			\$1,199,699.00			\$1,202,776.00			
PERCENT OF ENGINEER'S ESTIMATE								+14.26%			+14.55%			

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