

DATE April 9, 2018

PUBLIC HEARING, APPROVING PLANS, SPECIFICATIONS, FORM OF CONTRACT DOCUMENTS, AND ENGINEER'S ESTIMATE ON HICKMAN ROAD RECONSTRUCTION AT M.L.K. JR. PARKWAY AND 30TH STREET; RECEIVE AND FILE BIDS; AND DESIGNATION OF LOWEST RESPONSIVE, RESPONSIBLE BIDDER AS STERNQUIST CONSTRUCTION INC., BRITT STERNQUIST, PRESIDENT, \$971,789.05

WHEREAS, on March 8, 2018, under Roll Call No. 18-0331, 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:

Hickman Road Reconstruction at M.L.K. Jr. Parkway and 30th Street, 06-2018-003

The improvement includes pavement removal, 8-inch Portland Cement Concrete (PCC) paving, 6-inch PCC patching, partial depth Hot Mix Asphalt (HMA) patching, PCC driveways, grading, subdrain, pavement markings, segmental block retaining wall, surface restoration, and other incidental items; all in accordance with the contract documents, including Plan File Nos. 592-140/171, located on Hickman Road from M.L. King Jr. Parkway to 30th Street, Bennett Avenue from 27th Street to 30th Street, Fire Station #4, Fire Station #8, Fire Station #10, and the Emergency Boat Ramp at Principal Park, 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:

- Sternquist Construction Inc. Indianola, IA
- Hawkeye Paving Corporation Bettendorf, IA
- Concrete Technologies, Inc. Grimes, IA
- MPS Engineers, P.C. dba Kingston Services, P.C. Des Moines, IA
- Absolute Concrete Construction, Inc. Slater, IA

66

DATE April 9, 2018

which were received and opened at a public meeting presided over by the Engineer in the City Offices, City Hall, 400 Robert D. Ray Drive, Des Moines, Iowa at 11:00 a.m. on March 27, 2018. 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 Sternquist Construction Inc., Britt Sternquist, President, 1110 N 14th Street, Indianola, IA, 50125 in the amount of \$971,789.05, 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.

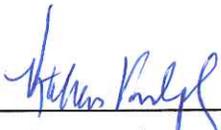
BE IT FURTHER RESOLVED: That the Engineer is hereby directed to secure execution by the lowest responsible, responsive Bidder and its surety of the contract documents in the form heretofore approved by this Council; that the Engineer is directed to thereafter present said contract documents to this Council 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 road closures for the Project.

(City Council Communication Number 18-174 attached.)

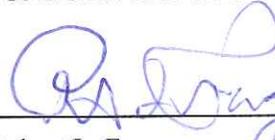
Moved by \_\_\_\_\_ to adopt.

FORM APPROVED:



Kathleen Vanderpool  
Deputy City Attorney

FUNDS AVAILABLE



Robert L. Fagen  
Des Moines Finance Director

AC Funding Source: 2018-2019 CIP, Page Street – 41, Special City-wide Street Improvements, ST217, Being: \$846,600.70 in Gaming Monies; and the remaining \$125,188.35 in G.O. Bonds from FR016, Fire Station Remodeling

**★ Roll Call Number**

---

**Agenda Item Number**

66

DATE April 9, 2018

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
BOESEN				
COLEMAN				
GATTO				
GRAY				
MANDELBAUM				
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 Lea Ann Vaughan

**CONTRACTOR'S BID TABULATION**  
PROJECT: HICKMAN ROAD RECONSTRUCTION AT M.L.K. JR. PARKWAY AND 30TH STREET  
AND 30TH STREET

-----ESTIMATE-----

Sternquist Construction Inc. Indianola, IA		Hawkeye Paving Corp. Bettendorf, IA		Concrete Technologies Inc. Grimes, IA			
BID SECURITY 10% Bid Bond		BID SECURITY 10% Bid Bond		BID SECURITY 10% Bid Bond			
BID PRICE		BID PRICE		BID PRICE			
UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT		
1001 CLASS 10 EXCAVATION	760 CY \$25.00 \$19,000.00	\$29.40	\$22,344.00	\$15.00	\$11,400.00	\$28.25	\$21,470.00
1002 SUBGRADE PREPARATION	6840 SY \$4.00 \$27,360.00	\$3.15	\$21,546.00	\$2.00	\$13,680.00	\$3.00	\$20,520.00
1003 MODIFIED SUBBASE, 6"	6840 SY \$10.00 \$68,400.00	\$12.10	\$82,764.00	\$16.00	\$109,440.00	\$11.50	\$78,660.00
1004 PERFORATED SUBDRAIN, 6"	1750 LF \$20.00 \$35,000.00	\$17.33	\$30,327.50	\$14.00	\$24,500.00	\$16.75	\$29,312.50
1005 SUBDRAIN OUTLETS	8 EACH \$400.00 \$3,200.00	\$315.00	\$2,520.00	\$350.00	\$2,800.00	\$305.00	\$2,440.00
1006 MANHOLE ADJUSTMENT, MINOR	9 EACH \$1,000.00 \$9,000.00	\$840.00	\$7,560.00	\$700.00	\$6,300.00	\$810.00	\$7,290.00
1007 INTAKE ADJUSTMENT, MINOR	10 EACH \$1,200.00 \$12,000.00	\$840.00	\$8,400.00	\$1,400.00	\$14,000.00	\$810.00	\$8,100.00
1008 PAVEMENT, PCC, 8"	6100 SY \$75.00 \$457,500.00	\$55.35	\$337,635.00	\$59.00	\$359,900.00	\$67.50	\$411,750.00
1009 CONCRETE MEDIAN	350 SY \$25.00 \$8,750.00	\$68.25	\$23,887.50	\$85.00	\$29,750.00	\$81.75	\$28,612.50
1010 REMOVAL OF SIDEWALK	42 SY \$15.00 \$630.00	\$12.60	\$529.20	\$9.00	\$378.00	\$12.15	\$510.30
1011 REMOVAL OF DRIVEWAY	248 SY \$15.00 \$3,720.00	\$12.60	\$3,124.80	\$7.00	\$1,736.00	\$12.15	\$3,013.20
1012 SIDEWALK, 4" PCC	30 SY \$75.00 \$2,250.00	\$31.50	\$945.00	\$75.00	\$2,250.00	\$53.75	\$1,612.50
1013 SIDEWALK, ADA COMPLIANT RAMP, 6" PCC	11 SY \$100.00 \$1,100.00	\$78.75	\$866.25	\$85.00	\$935.00	\$44.00	\$4,840.00
1014 DETECTABLE WARNINGS - CAST IRON	32 SF \$50.00 \$1,600.00	\$36.75	\$1,176.00	\$50.00	\$1,600.00	\$45.50	\$1,456.00
1015 DRIVEWAY, PCC 6"	243 SY \$75.00 \$18,225.00	\$63.00	\$15,309.00	\$65.00	\$15,795.00	\$75.75	\$18,407.25
1016 FULL DEPTH PATCHES, PCC	595 SY \$125.00 \$74,375.00	\$84.00	\$49,980.00	\$115.00	\$68,425.00	\$130.00	\$77,350.00
1017 PARTIAL DEPTH PATCHING, HMA, 3"	6500 SF \$20.00 \$130,000.00	\$12.90	\$83,850.00	\$16.00	\$104,000.00	\$12.50	\$81,250.00
1018 PARTIAL DEPTH PATCHING, HMA, ADDITIONAL DEPTH	250 SF \$20.00 \$5,000.00	\$16.00	\$4,000.00	\$25.00	\$6,250.00	\$15.50	\$3,875.00
1019 PAVEMENT REMOVAL	6445 SY \$10.00 \$64,450.00	\$11.55	\$74,439.75	\$6.00	\$38,670.00	\$11.15	\$71,861.75
1020 LOOP DETECTOR, REPLACEMENT, 6' BY 8'	2 EACH \$1,200.00 \$2,400.00	\$997.50	\$1,995.00	\$950.00	\$1,900.00	\$960.00	\$1,920.00
1021 LOOP DETECTOR, REPLACEMENT, 6' BY 20'	6 EACH \$1,500.00 \$9,000.00	\$1,102.50	\$6,615.00	\$1,050.00	\$6,300.00	\$1,060.00	\$6,360.00
1022 TRAFFIC SIGNAL HANDHOLE, TYPE 1	1 EACH \$1,000.00 \$1,000.00	\$2,100.00	\$2,100.00	\$2,000.00	\$2,000.00	\$2,020.00	\$2,020.00
1023 PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT BASED	24 STA \$75.00 \$1,800.00	\$85.05	\$2,041.20	\$81.00	\$1,944.00	\$136.00	\$3,264.00
1024 PAINTED PAVEMENT MARKING, DURABLE, EPOXY	74 STA \$125.00 \$9,250.00	\$68.25	\$5,050.50	\$65.00	\$4,810.00	\$161.00	\$11,914.00
1025 PAINTED SYMBOLS AND LEGEND, WATERBORNE OR SOLVENT BASED	3 EACH \$100.00 \$300.00	\$73.50	\$220.50	\$70.00	\$210.00	\$126.00	\$378.00
1026 PAINTED SYMBOLS AND LEGEND, DURABLE, EPOXY	3 EACH \$200.00 \$600.00	\$115.50	\$346.50	\$110.00	\$330.00	\$455.00	\$1,365.00
1027 GROOVES CUT FOR PAVEMENT MARKINGS	74 STA \$50.00 \$3,700.00	\$47.25	\$3,496.50	\$45.00	\$3,330.00	\$50.50	\$3,737.00
1028 GROOVES CUT FOR SYMBOLS AND LEGENDS	3 EACH \$100.00 \$300.00	\$105.00	\$315.00	\$110.00	\$330.00	\$177.00	\$531.00
1029 TRAFFIC CONTROL	1 LS \$15,000.00 \$15,000.00	\$25,000.00	\$25,000.00	\$10,000.00	\$10,000.00	\$15,000.00	\$15,000.00
1030 FLAGGERS, UNIFORMED POLICE OFFICER	8 DAY \$550.00 \$4,400.00	\$550.00	\$4,400.00	\$550.00	\$4,400.00	\$550.00	\$4,400.00
1031 OBJECT MARKER, TYPE OM1-3	4 EACH \$150.00 \$600.00	\$157.50	\$630.00	\$150.00	\$600.00	\$75.75	\$303.00
1032 TYPE 'A' SIGN, R4-7, SHEET ALUMINUM, 24 X 30	4 EACH \$150.00 \$600.00	\$157.50	\$630.00	\$200.00	\$800.00	\$75.75	\$303.00
1033 SIGNPOST, PERFORATED SQUARE STEEL TUBE	38 LF \$30.00 \$1,140.00	\$36.75	\$1,396.50	\$30.00	\$1,140.00	\$25.25	\$959.50
1034 HYDRAULIC SEEDING	36 SQ \$50.00 \$1,800.00	\$157.50	\$5,670.00	\$25.00	\$900.00	\$152.00	\$5,472.00
1035 FILTER SOCK, 9"	100 LF \$2.00 \$200.00	\$5.25	\$525.00	\$3.00	\$300.00	\$5.05	\$505.00
1036 FILTER SOCK, REMOVAL	100 LF \$0.50 \$50.00	\$2.65	\$265.00	\$0.10	\$10.00	\$2.55	\$255.00
1037 MOBILIZATION	1 LS \$44,680.00 \$44,680.00	\$6,300.00	\$6,300.00	\$30,000.00	\$30,000.00	\$52,000.00	\$52,000.00
1038 MAINTENANCE OF SOLID WASTE COLLECTION	1 LS \$500.00 \$500.00	\$5,250.00	\$5,250.00	\$500.00	\$500.00	\$5,500.00	\$5,500.00
1039 CONCRETE WASHOUT	1 LS \$1,000.00 \$1,000.00	\$2,625.00	\$2,625.00	\$2,000.00	\$2,000.00	\$2,600.00	\$2,600.00
1040 TREE PROTECTION FENCE	20 LF \$6.00 \$120.00	\$26.25	\$525.00	\$10.00	\$200.00	\$25.25	\$505.00
<b>DIVISION 1 SUBTOTAL:</b>	<b>\$1,040,000.00</b>		<b>\$846,600.70</b>		<b>\$883,813.00</b>		<b>\$991,622.50</b>

DIVISION 2 (FIRE STATION PAVEMENT REPAIR)

69

ITEM	DESCRIPTION	QUANTITY	UNIT	PRICE	AMOUNT	UNIT	PRICE	AMOUNT	UNIT	PRICE	AMOUNT	UNIT	PRICE	AMOUNT
2001	SUBDRAIN, 6-INCH DIAMETER	140 LF		\$30.00	\$4,200.00		\$17.35	\$2,429.00		\$16.00	\$2,240.00		\$16.75	\$2,345.00
2002	DRIVEWAY, PAVED, PCC, 6-INCH THICKNESS	2 SY		\$100.00	\$200.00		\$63.00	\$126.00		\$150.00	\$300.00		\$300.00	\$600.00
2003	FULL DEPTH PATCHES, PCC	44 SY		\$125.00	\$5,500.00		\$84.00	\$3,696.00		\$150.00	\$6,600.00		\$145.00	\$6,380.00
2004	FULL DEPTH PATCHES, PCC, SINGLE REINFORCED	252 SY		\$150.00	\$37,800.00		\$84.00	\$21,168.00		\$110.00	\$27,720.00		\$155.00	\$39,060.00
2005	SUBBASE OVER-EXCAVATION	100 TON		\$70.00	\$7,000.00		\$105.00	\$10,500.00		\$20.00	\$2,000.00		\$101.00	\$10,100.00
2006	TRAFFIC/PEDESTRIAN CONTROL & WORK ZONE FENCING	1 LS		\$3,000.00	\$3,000.00		\$1,643.25	\$1,643.25		\$1,000.00	\$1,000.00		\$1,525.00	\$1,525.00
2007	SEEDING, FERTILIZING, AND MULCHING FOR HYDRAULIC SEEDING	17 SQ		\$60.00	\$1,020.00		\$157.50	\$2,677.50		\$25.00	\$425.00		\$152.00	\$2,584.00
2008	EROSION CONTROL MULCHING, HYDROMULCHING	87 SQ		\$50.00	\$4,350.00		\$26.25	\$2,283.75		\$25.00	\$2,175.00		\$25.25	\$2,196.75
2009	MOBILIZATION	1 LS		\$5,130.00	\$5,130.00		\$3,150.00	\$3,150.00		\$4,000.00	\$4,000.00		\$6,500.00	\$6,500.00
2010	CONCRETE WASHOUT	1 LS		\$1,200.00	\$1,200.00		\$2,380.35	\$2,380.35		\$500.00	\$500.00		\$136.50	\$136.50
2011	TREE PROTECTION FENCE	100 LF		\$6.00	\$600.00		\$5.25	\$525.00		\$7.00	\$700.00		\$5.05	\$505.00
				DIVISION 2 SUBTOTAL:	\$70,000.00		\$50,578.85	\$47,650.00		\$71,932.25	\$71,932.25		\$71,932.25	\$71,932.25

**DIVISION 3 (DMED BOAT RAMP AT PRINCIPAL PARK)**

3001	EXCAVATION, CLASS 13	210 CY		\$40.00	\$8,400.00		\$31.50	\$6,615.00		\$20.00	\$4,200.00		\$30.25	\$6,352.50
3002	6 IN. PCC PAVEMENT	186 SY		\$63.00	\$11,718.00		\$63.00	\$11,718.00		\$87.00	\$16,182.00		\$77.00	\$14,322.00
3003	DRIVEWAY, GRANULAR	30 TON		\$40.00	\$1,200.00		\$36.75	\$1,102.50		\$30.00	\$900.00		\$36.50	\$1,095.00
3004	REMOVE, STOCKPILE, AND PLACE EXISTING PAVEMENT AS BANK PROT	92 SY		\$30.00	\$2,760.00		\$115.50	\$10,626.00		\$20.00	\$1,840.00		\$115.00	\$10,580.00
3005	TRAFFIC/PEDESTRIAN CONTROL & WORK ZONE FENCING	1 LS		\$1,000.00	\$1,000.00		\$509.25	\$509.25		\$500.00	\$500.00		\$1,525.00	\$1,525.00
3006	SEED, FERTILIZE AND MULCH FOR HYDRAULIC SEEDING	19 SQ		\$50.00	\$950.00		\$157.50	\$2,992.50		\$25.00	\$475.00		\$152.00	\$2,888.00
3007	COMPOST FILTER SOCK, 9-INCH DIAMETER	250 LF		\$4.00	\$1,000.00		\$5.25	\$1,312.50		\$3.00	\$750.00		\$5.05	\$1,262.50
3008	FILTER SOCK, REMOVAL	250 LF		\$1.00	\$250.00		\$5.25	\$662.50		\$0.10	\$25.00		\$2.55	\$637.50
3009	SILT FENCE OR SILT FENCE DITCH CHECK	150 LF		\$5.00	\$750.00		\$5.25	\$787.50		\$3.00	\$450.00		\$5.05	\$757.50
3010	SILT FENCE OR SILT FENCE DITCH CHECK, REMOVAL OF DEVICE	150 LF		\$2.00	\$300.00		\$2.65	\$397.50		\$0.10	\$15.00		\$2.55	\$382.50
3011	EROSION CONTROL MULCHING, HYDROMULCH	19 SQ		\$40.00	\$760.00		\$26.25	\$498.75		\$32.00	\$608.00		\$25.25	\$479.75
3012	SEGMENTAL BLOCK RETAINING WALL	450 SF		\$50.00	\$22,500.00		\$56.25	\$25,312.50		\$32.00	\$14,400.00		\$49.50	\$22,275.00
3013	MOBILIZATION	1 LS		\$4,970.00	\$4,970.00		\$3,150.00	\$3,150.00		\$2,363.44	\$2,363.44		\$8,000.00	\$8,000.00
3014	CONCRETE WASHOUT	1 LS		\$1,000.00	\$1,000.00		\$525.00	\$525.00		\$500.00	\$500.00		\$100.00	\$100.00
3015	REMOVAL OF EXISTING STRUCTURE	1 LS		\$8,000.00	\$8,000.00		\$3,150.00	\$3,150.00		\$9,000.00	\$9,000.00		\$3,025.00	\$3,025.00
3016	DEWATERING	1 LS		\$5,000.00	\$5,000.00		\$5,250.00	\$5,250.00		\$5,000.00	\$5,000.00		\$20,250.00	\$20,250.00
				DIVISION 3 SUBTOTAL:	\$70,000.00		\$74,609.50	\$57,075.44		\$93,932.25	\$93,932.25		\$93,932.25	\$93,932.25

TOTAL CONSTRUCTION COST (DIVISION 1 + DIVISION 2 + DIVISION 3)  
PERCENT OF ENGINEERS ESTIMATE

\$1,130,000.00	\$971,789.05	\$988,548.44	\$1,157,487.00
	-17.64%	-16.22%	-1.91%

66

TABULATED BY M. Becker APPROVED BY \_\_\_\_\_  
CHECKED BY *Debra Vaughan*

**CONTRACTOR'S BID TABULATION**  
PROJECT: HICKMAN ROAD RECONSTRUCTION AT M.L.K. JR. PARKWAY AND 30TH STREET  
AND 30TH STREET

ESTIMATE

MPS Engineers, PC dba Kingston Services, PC Des Moines, IA		Absolute Concrete Construction Slater, IA		BID SECURITY 10% Bid Bond		BID SECURITY 10% Bid Bond		BID SECURITY 10% Bid Bond		
BID PRICE		BID PRICE		BID PRICE		BID PRICE		BID PRICE		
UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	
1001	CLASS 10 EXCAVATION	760 CY	\$25.00	\$19,000.00	\$25.00	\$19,000.00	\$28.75	\$21,850.00		
1002	SUBGRADE PREPARATION	6840 SY	\$4.00	\$27,360.00	\$4.00	\$27,360.00	\$3.10	\$21,204.00		
1003	MODIFIED SUBBASE, 6"	6840 SY	\$10.00	\$68,400.00	\$11.00	\$75,240.00	\$11.80	\$80,712.00		
1004	PERFORATED SUBDRAIN, 6"	1750 LF	\$20.00	\$35,000.00	\$18.00	\$31,500.00	\$17.00	\$29,750.00		
1005	SUBDRAIN OUTLETS	8 EACH	\$400.00	\$3,200.00	\$400.00	\$3,200.00	\$310.00	\$2,480.00		
1006	MANHOLE ADJUSTMENT, MINOR	9 EACH	\$1,000.00	\$9,000.00	\$1,560.00	\$14,040.00	\$820.00	\$7,380.00		
1007	INTAKE ADJUSTMENT, MINOR	10 EACH	\$1,200.00	\$12,000.00	\$1,265.00	\$12,650.00	\$820.00	\$8,200.00		
1008	PAVEMENT, PCC, 8"	6100 SY	\$75.00	\$457,500.00	\$74.00	\$451,400.00	\$72.00	\$439,200.00		
1009	CONCRETE MEDIAN	350 SY	\$25.00	\$8,750.00	\$164.00	\$57,400.00	\$65.00	\$22,750.00		
1010	REMOVAL OF SIDEWALK	42 SY	\$15.00	\$630.00	\$12.00	\$504.00	\$12.30	\$516.60		
1011	REMOVAL OF DRIVEWAY	248 SY	\$15.00	\$3,720.00	\$10.00	\$2,480.00	\$12.30	\$3,050.40		
1012	SIDEWALK, 4" PCC	30 SY	\$75.00	\$2,250.00	\$54.00	\$1,620.00	\$95.00	\$2,850.00		
1013	SIDEWALK, ADA COMPLIANT RAMP, 6" PCC	11 SY	\$100.00	\$1,100.00	\$156.00	\$1,716.00	\$215.00	\$2,365.00		
1014	DETECTABLE WARNINGS - CAST IRON	32 SF	\$50.00	\$1,600.00	\$42.00	\$1,344.00	\$70.00	\$2,240.00		
1015	DRIVEWAY, PCC 6"	243 SY	\$75.00	\$18,225.00	\$54.00	\$13,122.00	\$86.00	\$20,898.00		
1016	FULL DEPTH PATCHES, PCC	595 SY	\$125.00	\$74,375.00	\$88.00	\$52,360.00	\$135.00	\$80,325.00		
1017	PARTIAL DEPTH PATCHING, HMA, 3"	6500 SF	\$20.00	\$130,000.00	\$20.00	\$130,000.00	\$13.50	\$87,750.00		
1018	PARTIAL DEPTH PATCHING, HMA, ADDITIONAL DEPTH	250 SF	\$20.00	\$5,000.00	\$25.00	\$6,250.00	\$16.75	\$4,187.50		
1019	PAVEMENT REMOVAL	6445 SY	\$10.00	\$64,450.00	\$12.00	\$77,340.00	\$11.25	\$72,506.25		
1020	LOOP DETECTOR, REPLACEMENT, 6' BY 8'	2 EACH	\$1,200.00	\$2,400.00	\$1,100.00	\$2,200.00	\$975.00	\$1,950.00		
1021	LOOP DETECTOR, REPLACEMENT, 6' BY 20'	6 EACH	\$1,500.00	\$9,000.00	\$1,350.00	\$8,100.00	\$1,100.00	\$6,600.00		
1022	TRAFFIC SIGNAL HANDHOLE, TYPE 1	1 EACH	\$1,000.00	\$1,000.00	\$1,300.00	\$1,300.00	\$2,050.00	\$2,050.00		
1023	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT BASED	24 STA	\$75.00	\$1,800.00	\$82.00	\$1,968.00	\$83.00	\$1,992.00		
1024	PAINTED PAVEMENT MARKING, DURABLE, EPOXY	74 STA	\$125.00	\$9,250.00	\$66.00	\$4,884.00	\$66.75	\$4,939.50		
1025	PAINTED SYMBOLS AND LEGEND, WATERBORNE OR SOLVENT BASED	3 EACH	\$100.00	\$300.00	\$75.00	\$225.00	\$71.75	\$215.25		
1026	PAINTED SYMBOLS AND LEGEND, DURABLE, EPOXY	3 EACH	\$200.00	\$600.00	\$115.00	\$345.00	\$112.75	\$338.25		
1027	GROOVES CUT FOR PAVEMENT MARKINGS	74 STA	\$50.00	\$3,700.00	\$46.00	\$3,404.00	\$46.25	\$3,422.50		
1028	GROOVES CUT FOR SYMBOLS AND LEGENDS	3 EACH	\$100.00	\$300.00	\$105.00	\$315.00	\$102.50	\$307.50		
1029	TRAFFIC CONTROL	1 LS	\$15,000.00	\$15,000.00	\$21,456.00	\$21,456.00	\$30,000.00	\$30,000.00		
1030	FLAGGERS, UNIFORMED POLICE OFFICER	8 DAY	\$550.00	\$4,400.00	\$550.00	\$4,400.00	\$550.00	\$4,400.00		
1031	OBJECT MARKER, TYPE OM1-3	4 EACH	\$150.00	\$600.00	\$215.00	\$860.00	\$51.25	\$205.00		
1032	TYPE 'A' SIGN, R4-7, SHEET ALUMINUM, 24 X 30	4 EACH	\$150.00	\$600.00	\$155.00	\$620.00	\$102.50	\$410.00		
1033	SIGNPOST, PERFORATED SQUARE STEEL TUBE	38 LF	\$30.00	\$1,140.00	\$65.00	\$2,470.00	\$15.50	\$589.00		
1034	HYDRAULIC SEEDING	36 SQ	\$50.00	\$1,800.00	\$36.00	\$1,296.00	\$50.00	\$1,800.00		
1035	FILTER SOCK, 9"	100 LF	\$2.00	\$200.00	\$3.00	\$300.00	\$5.00	\$500.00		
1036	FILTER SOCK, REMOVAL	100 LF	\$0.50	\$50.00	\$0.25	\$25.00	\$2.00	\$200.00		
1037	MOBILIZATION	1 LS	\$44,680.00	\$44,680.00	\$24,855.00	\$24,855.00	\$60,000.00	\$60,000.00		
1038	MAINTENANCE OF SOLID WASTE COLLECTION	1 LS	\$500.00	\$500.00	\$2,180.00	\$2,180.00	\$2,500.00	\$2,500.00		
1039	CONCRETE WASHOUT	1 LS	\$1,000.00	\$1,000.00	\$2,110.00	\$2,110.00	\$2,500.00	\$2,500.00		
1040	TREE PROTECTION FENCE	20 LF	\$6.00	\$120.00	\$5.00	\$100.00	\$5.00	\$100.00		
<b>DIVISION 1 SUBTOTAL:</b>				<b>\$1,040,000.00</b>		<b>\$1,061,939.00</b>		<b>\$1,035,233.75</b>		

**DIVISION 2 (FIRE STATION PAVEMENT REPAIR)**

69

ITEM	DESCRIPTION	UNIT			UNIT			UNIT		
		QUANTITY	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
2001	SUBDRAIN, 6-INCH DIAMETER	140 LF	\$30.00	\$4,200.00	\$28.00	\$3,920.00	\$17.00	\$2,380.00		
2002	DRIVEWAY, PAVED, PCC, 6-INCH THICKNESS	2 SY	\$100.00	\$200.00	\$125.00	\$250.00	\$260.00	\$520.00		
2003	FULL DEPTH PATCHES, PCC	44 SY	\$125.00	\$5,500.00	\$154.00	\$6,776.00	\$350.00	\$15,400.00		
2004	FULL DEPTH PATCHES, PCC, SINGLE REINFORCED	252 SY	\$150.00	\$37,800.00	\$112.00	\$28,224.00	\$210.00	\$52,920.00		
2005	SUBBASE OVER-EXCAVATION	100 TON	\$70.00	\$7,000.00	\$21.00	\$2,100.00	\$102.50	\$10,250.00		
2006	TRAFFIC/PEDESTRIAN CONTROL & WORK ZONE FENCING	1 LS	\$3,000.00	\$3,000.00	\$5,600.00	\$5,600.00	\$2,050.00	\$2,050.00		
2007	SEEDING, FERTILIZING, AND MULCHING FOR HYDRAULIC SEEDING	17 SQ	\$60.00	\$1,020.00	\$35.00	\$595.00	\$50.00	\$850.00		
2008	EROSION CONTROL MULCHING, HYDROMULCHING	87 SQ	\$50.00	\$4,350.00	\$26.00	\$2,262.00	\$30.00	\$2,610.00		
2009	MOBILIZATION	1 LS	\$5,130.00	\$5,130.00	\$12,110.00	\$12,110.00	\$25,000.00	\$25,000.00		
2010	CONCRETE WASHOUT	1 LS	\$1,200.00	\$1,200.00	\$2,400.00	\$2,400.00	\$550.00	\$550.00		
2011	TREE PROTECTION FENCE	100 LF	\$6.00	\$600.00	\$5.00	\$500.00	\$5.00	\$500.00		
<b>DIVISION 2 SUBTOTAL:</b>				<b>\$70,000.00</b>		<b>\$64,737.00</b>		<b>\$113,030.00</b>		
<b>DIVISION 3 (DMFD BOAT RAMP AT PRINCIPAL PARK)</b>										
3001	EXCAVATION, CLASS 13	210 CY	\$40.00	\$8,400.00	\$32.00	\$6,720.00	\$30.75	\$6,457.50		
3002	6 IN. PCC PAVEMENT	186 SY	\$60.00	\$11,160.00	\$64.00	\$11,904.00	\$75.00	\$13,950.00		
3003	DRIVEWAY, GRANULAR	30 TON	\$40.00	\$1,200.00	\$24.00	\$720.00	\$36.00	\$1,080.00		
3004	REMOVE, STOCKPILE, AND PLACE EXISTING PAVEMENT AS BANK PROT	92 SY	\$30.00	\$2,760.00	\$116.00	\$10,672.00	\$112.75	\$10,373.00		
3005	TRAFFIC/PEDESTRIAN CONTROL & WORK ZONE FENCING	1 LS	\$1,000.00	\$1,000.00	\$3,000.00	\$3,000.00	\$2,050.00	\$2,050.00		
3006	SEED, FERTILIZE AND MULCH FOR HYDRAULIC SEEDING	19 SQ	\$50.00	\$950.00	\$35.00	\$665.00	\$50.00	\$950.00		
3007	COMPOST FILTER SOCK, 9-INCH DIAMETER	250 LF	\$4.00	\$1,000.00	\$3.00	\$750.00	\$5.00	\$1,250.00		
3008	FILTER SOCK, REMOVAL	250 LF	\$1.00	\$250.00	\$0.25	\$62.50	\$1.00	\$250.00		
3009	SILT FENCE OR SILT FENCE DITCH CHECK	150 LF	\$5.00	\$750.00	\$3.00	\$450.00	\$4.00	\$600.00		
3010	SILT FENCE OR SILT FENCE DITCH CHECK, REMOVAL OF DEVICE	150 LF	\$2.00	\$300.00	\$0.25	\$37.50	\$1.00	\$150.00		
3011	EROSION CONTROL MULCHING, HYDROMULCH	19 SQ	\$40.00	\$760.00	\$32.00	\$608.00	\$30.00	\$570.00		
3012	SEGMENTAL BLOCK RETAINING WALL	450 SF	\$50.00	\$22,500.00	\$32.00	\$14,400.00	\$51.00	\$22,950.00		
3013	MOBILIZATION	1 LS	\$4,970.00	\$4,970.00	\$17,999.00	\$17,999.00	\$15,000.00	\$15,000.00		
3014	CONCRETE WASHOUT	1 LS	\$1,000.00	\$1,000.00	\$1,277.00	\$1,277.00	\$550.00	\$550.00		
3015	REMOVAL OF EXISTING STRUCTURE	1 LS	\$8,000.00	\$8,000.00	\$1,286.00	\$1,286.00	\$3,100.00	\$3,100.00		
3016	DEWATERING	1 LS	\$5,000.00	\$5,000.00	\$100.00	\$100.00	\$10,000.00	\$10,000.00		
<b>DIVISION 3 SUBTOTAL:</b>				<b>\$70,000.00</b>		<b>\$70,651.00</b>		<b>\$89,280.50</b>		
<b>TOTAL CONSTRUCTION COST (DIVISION 1 + DIVISION 2 + DIVISION 3)</b>				<b>\$1,180,000.00</b>		<b>\$1,197,327.00</b>		<b>\$1,237,544.25</b>		
PERCENT OF ENGINEER'S ESTIMATE						+1.47%		+4.88%		

69