

DATE June 28, 2010

PUBLIC HEARING, APPROVING PLANS, SPECIFICATIONS, FORM OF CONTRACT DOCUMENTS, AND ENGINEER'S ESTIMATE ON 2009-10 PAVING PROGRAM; RECEIVE AND FILE BIDS; AND DESIGNATION OF LOWEST RESPONSIVE, RESPONSIBLE BIDDER AS JASPER CONSTRUCTION SERVICES, INC., STEVEN J. RHOADS, PRESIDENT, \$733,522.18

WHEREAS, on May 24, 2010, under Roll Call No. 10-784, plans, specifications, form of contract documents, and Jurisdictional Engineer's estimate of construction cost were filed with the City Clerk, for the construction of the following improvement:

2009-10 Paving Program, 06-2010-010

The improvement includes construction of street paving twenty-six (26) feet wide B/B with Portland Cement Concrete six (6) inches thick with integral curb, or with Hot Mix Asphalt eight (8) inches thick with Portland Cement Concrete curb and gutter, driveway approaches, water main, storm sewer, subdrain, and surface restoration, together with the necessary drainage facilities on Druid Hill Drive from Bell Avenue to Casady Drive, Activity ID 06-2010-011, Schedule No. 2010-01; and on E. 35th Street and Arthur Avenue from Easton Boulevard to E. 34th Street, Activity ID 06-2010-012, Schedule No. 2010-02

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 Jurisdictional Engineer's estimate of construction cost for said improvement be closed; and that said plans, specifications, form of contract documents, and Jurisdictional Engineer's estimate of construction cost are hereby approved as the plans, specifications, form of contract documents, and Jurisdictional 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:

★ **Roll Call Number**

Agenda Item Number

55

DATE June 28, 2010

Jasper Construction Services, Inc.	Newton, IA
Sternquist Construction Inc.	Indianola, IA
Alliance Construction Group, LLC	Grimes, IA
Manatts, Inc.	Johnston, IA
Elder Corporation	Des Moines, IA
Concrete Technologies, Inc.	Urbandale, IA
OMG Midwest, Inc. d/b/a Des Moines Asphalt & Paving	Des Moines, IA

which were received and opened at a public meeting presided over by the Jurisdictional Engineer in the City Council Chambers, 2nd Floor, City Hall, 400 Robert D. Ray Drive, Des Moines, Iowa at 11:00 a.m. on June 15, 2010. Said bids and the attached tabulation of bids for said improvement be and are hereby received and filed.

BE IT FURTHER RESOLVED: That the Jurisdictional Engineer has determined that the lowest responsive, responsible bid for the construction of said improvement was submitted by Jasper Construction Services, Inc., Steven J. Rhoads, President, 928 N 19th Avenue East, Newton, IA, 50208 in the amount of \$733,522.18, 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.

DATE June 28, 2010

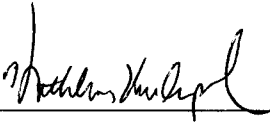
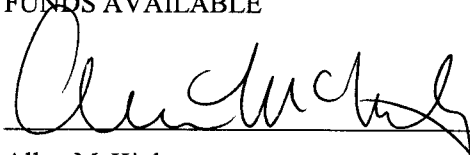
BE IT FURTHER RESOLVED: That the Jurisdictional Engineer is hereby directed to secure execution by the lowest responsible, responsive Bidder and its surety of the contract documents in the form heretofore approved by this Council; that the Jurisdictional Engineer is directed to thereafter present said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

(City Council Communication Number 10-406 attached.)

Moved by _____ to adopt.

FORM APPROVED:

FUNDS AVAILABLE

Kathleen Vanderpool
Deputy City Attorney

Allen McKinley
Des Moines Finance Director

Funding Source: 2010-2011 CIP, Page Street-9, City-wide Paving Program, STR013, Being: \$140,743.31 from Special Assessments against benefited property owners, \$504,485.62 in G. O. Bonds, and \$88,293.25 from the Des Moines Water Works for water main construction

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
COLEMAN				
GRIESS				
HENSLEY				
MAHAFFEY				
MEYER				
MOORE				
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: D. KATZ
Checked by [Signature]
APPROVED BY: *[Signature]*
CONTRACTOR'S BID TABULATION

PROJECT: 2009-10 PAVING PROGRAM

ESTIMATE

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT	Jasper Construction Services, Inc. Bid Price	Sternquist Construction Bid Price	Alliance Construction Group Bid Price	Manattis Bid Price
1	Clearing, Tree	1 LS	\$8,000.00	\$8,000.00	\$10,000.00	\$24,000.00	\$15,000.00	\$17,500.00
2	Subgrade Preparation	5906 SY	\$2.50	\$14,765.00	\$2.25	\$17,288.50	\$2.85	\$2.80
3	Class 10 Excavation	3300 CY	\$10.00	\$33,000.00	\$8.00	\$26,400.00	\$9.50	\$16,536.80
4	Modified Subbase	5906 SY	\$10.00	\$59,060.00	\$10.00	\$59,060.00	\$7.20	\$56,430.00
5	Temporary Surfacing	80 TON	\$30.00	\$2,400.00	\$25.00	\$2,000.00	\$39.50	\$43,113.80
6	Pavement Removal	1801.6 SY	\$10.00	\$18,016.00	\$5.50	\$9,908.80	\$7.30	\$1,776.00
7	Full Width Pavement, 6-Inch PCC Section	5478 SY	\$40.00	\$219,120.00	\$29.00	\$158,862.00	\$34.75	\$10,268.12
7A	Full Width Pavement, 8-Inch HMA Section	5478 SY	\$40.00	\$219,120.00	\$29.00	\$158,862.00	\$34.75	\$202,686.00
8	Driveway, 6" PCC	1476.2 SY	\$35.00	\$51,667.00	\$30.00	\$44,286.00	\$32.50	\$34.70
9	Sidewalk, 4" PCC	332 SY	\$30.00	\$9,960.00	\$36.00	\$11,952.00	\$34.50	\$31.40
10	Driveway Surfacing, Class D Granular Surfacing	85 TON	\$30.00	\$2,550.00	\$25.00	\$2,125.00	\$38.50	\$2,142.80
11	Remove Existing Storm Sewer	363.5 LF	\$10.00	\$3,635.00	\$5.25	\$1,908.38	\$5.00	\$1,835.68
12	Removal of Intake or Utility Access	3 EA	\$500.00	\$1,500.00	\$525.00	\$1,575.00	\$500.00	\$503.00
13	12" RCP, Class III Storm Sewer	112 LF	\$55.00	\$6,160.00	\$47.50	\$5,320.00	\$45.00	\$5,073.60
14	18" RCP, Class III Storm Sewer	232.4 LF	\$65.00	\$15,106.00	\$72.50	\$16,849.00	\$69.00	\$16,128.56
15	12" RCP Apron	1 EA	\$1,200.00	\$1,200.00	\$1,105.00	\$1,050.00	\$1,050.00	\$1,057.00
16	18" RCP Apron	1 EA	\$1,500.00	\$1,500.00	\$1,190.00	\$1,130.00	\$1,130.00	\$1,137.00
17	Intake, Type M-A	9 EA	\$2,500.00	\$22,500.00	\$1,770.00	\$15,930.00	\$1,685.00	\$15,264.00
18	Intake, Type M-C	1 EA	\$4,000.00	\$4,000.00	\$3,500.00	\$3,333.00	\$3,333.00	\$3,354.00
19	Intake, Modify to M-F	1 EA	\$1,500.00	\$1,500.00	\$2,830.00	\$2,695.00	\$2,695.00	\$2,712.00
20	M-A Manhole, Storm Sewer	1 EA	\$3,000.00	\$3,000.00	\$3,210.00	\$3,056.00	\$3,056.00	\$3,075.00
21	Subdrain	1670 LF	\$200.00	\$334,000.00	\$12.60	\$21,042.00	\$12.00	\$20,207.00
22	Subdrain Outlet	10 EACH	\$200.00	\$2,000.00	\$74.00	\$740.00	\$70.00	\$704.00
23	Curb & Gutter 2' Width	56 LF	\$25.00	\$1,400.00	\$25.00	\$1,400.00	\$18.50	\$1,372.00
24	Crushed Red Brick	5 Ton	\$50.00	\$250.00	\$375.00	\$1,273.70	\$280.00	\$1,400.00
25	Trench Drain	8 LF	\$100.00	\$800.00	\$502.00	\$4,016.00	\$478.00	\$3,848.00
26	Full Depth PCC Pavement Patch, 6-Inch Handicapped Ramps, W/Truncated Domes	49.8 SY	\$60.00	\$2,988.00	\$100.00	\$4,980.00	\$66.00	\$4,760.88
27	Minor Adjustment Type "B" Ring and Cover	3.8 SY	\$120.00	\$456.00	\$125.00	\$475.00	\$130.00	\$647.90
28	Major Adjustment Type "B" Ring and Cover	9 EACH	\$500.00	\$4,500.00	\$1,020.00	\$9,180.00	\$970.00	\$8,730.00
29	Inlet Protection Filters	1 EACH	\$750.00	\$750.00	\$2,258.00	\$2,150.00	\$2,150.00	\$2,164.00
30	Erosion Control	18 EACH	\$150.00	\$2,700.00	\$21.00	\$378.00	\$114.00	\$2,091.00
31	Type III Turf Reinforcement Mat	1 LS	\$2,500.00	\$2,500.00	\$2,153.00	\$1,900.00	\$1,900.00	\$3,119.00
32	Seeding, Fertilizer, Mulching	1 SQ	\$300.00	\$300.00	\$74.00	\$74.00	\$120.00	\$121.00
33	Sodding	0.5 ACRE	\$4,000.00	\$2,000.00	\$3,990.00	\$1,995.00	\$3,267.00	\$3,288.00
34	Traffic Control	232 SQ	\$50.00	\$11,600.00	\$31.50	\$7,308.00	\$32.50	\$7,540.00
35	Project Sign Small - Standard	1 LS	\$150.00	\$150.00	\$315.00	\$600.00	\$150.00	\$300.00
36	Tree Protection Fencing	725 LF	\$3.00	\$2,175.00	\$2.60	\$1,885.00	\$2.00	\$1,450.00
37	Tree Protection	1 LS	\$2,500.00	\$2,500.00	\$420.00	\$900.00	\$900.00	\$905.50
38	Type "B" Concrete Steps With Handrail	80 SF	\$80.00	\$6,400.00	\$80.00	\$6,400.00	\$95.00	\$7,600.00
39	Silt Fence	3700 LF	\$2.50	\$9,250.00	\$1.90	\$7,030.00	\$1.60	\$6,105.00
40	Removal of Silt Fence	3700 LF	\$0.50	\$1,850.00	\$0.25	\$925.00	\$0.10	\$370.00
41	Fence, Chain Link, 48" Height, Black Vinyl	180 LF	\$15.00	\$2,700.00	\$15.50	\$2,790.00	\$14.75	\$2,655.00
42	Redi Rock Modular Block Retaining Wall	2250 SF	\$31.00	\$69,750.00	\$35.10	\$78,975.00	\$32.00	\$72,000.00
43	Modular Block Retaining Wall - Gray Color	560 SF	\$22.00	\$12,320.00	\$17.25	\$9,660.00	\$15.00	\$8,400.00
44	Modular Block Retaining Wall - Blended Color	75 SF	\$23.00	\$1,725.00	\$22.50	\$1,687.50	\$20.00	\$1,500.00
45	Remove Existing Retaining Wall and Replace With Modular Block	870 SF	\$25.00	\$21,750.00	\$25.65	\$22,315.50	\$23.00	\$20,010.00

TABULATED BY: D. Kamp
APPROVED BY: *[Signature]*
Checked by [Signature]
CONTRACTOR'S BID TABULATION

PROJECT: 2009-10 PAVING PROGRAM

ESTIMATE

ITEM	DESCRIPTION	QUANTITY	AMOUNT		UNIT PRICE		CONCRETE Technologies, Inc. Urbandale, Iowa BID SECURITY 10% Bid bond BID PRICE	ELDER CORPORATION Des Moines, Iowa BID SECURITY 10% Bid bond BID PRICE		OMG Midwest, Inc. dba DM Asphalt and Paving Des Moines, Iowa BID SECURITY 10% Bid bond BID PRICE	
			PRICE	AMOUNT	PRICE	AMOUNT		PRICE	AMOUNT		
1	Clearing, Tree	1 LS	\$8,000.00	\$8,000.00	\$8,000.00	\$15,000.00	\$15,450.00	\$15,450.00	\$15,867.47	\$15,867.47	
2	Subgrade Preparation	5906 SY	\$2.50	\$14,765.00	\$17,422.70	\$3.00	\$17,718.00	\$3.00	\$17,718.00	\$2.91	\$17,186.46
3	Class 10 Excavation	3300 CY	\$10.00	\$33,000.00	\$31,350.00	\$9.50	\$31,350.00	\$9.75	\$32,175.00	\$17.98	\$59,334.00
4	Modified Subbase	5906 SY	\$10.00	\$59,060.00	\$42,523.20	\$7.20	\$42,523.20	\$7.25	\$42,818.50	\$11.00	\$64,966.00
5	Temporary Surfacing	80 TON	\$30.00	\$2,400.00	\$3,080.00	\$38.50	\$3,080.00	\$41.00	\$3,280.00	\$23.27	\$1,961.60
6	Pavement Removal	1801.6 SY	\$10.00	\$18,016.00	\$13,151.68	\$7.30	\$13,151.68	\$7.50	\$13,512.00	\$5.98	\$10,773.57
7	Full Width Pavement, 6-inch PCC Section	5478 SY	\$40.00	\$219,120.00	\$178,035.00	\$32.50	\$178,035.00	\$29.50	\$161,601.00		
7A	Full Width Pavement, 8-inch HMA Section	5478 SY	\$40.00	\$219,120.00	\$178,035.00	\$32.50	\$178,035.00	\$29.50	\$161,601.00		
8	Driveway, 6" PCC	1476.2 SY	\$35.00	\$51,667.00	\$42,071.70	\$28.50	\$42,071.70	\$35.50	\$52,405.10	\$44.95	\$246,236.10
9	Sidewalk, 4" PCC	332 SY	\$30.00	\$9,960.00	\$7,636.00	\$23.00	\$7,636.00	\$36.50	\$12,118.00	\$36.50	\$53,881.30
10	Driveway Surfacing, Class D Granular Surfacing	85 TON	\$30.00	\$2,550.00	\$3,272.50	\$38.50	\$3,272.50	\$39.50	\$3,357.50	\$26.45	\$2,248.25
11	Remove Existing Storm Sewer	363.5 LF	\$10.00	\$3,635.00	\$5,997.75	\$16.50	\$5,997.75	\$17.00	\$6,179.50	\$5.29	\$1,922.92
12	Removal of Intake or Utility Access	3 EA	\$500.00	\$1,500.00	\$1,770.00	\$590.00	\$1,770.00	\$605.00	\$1,815.00	\$528.92	\$1,586.76
13	12" RCP, Class III Storm Sewer	112 LF	\$55.00	\$6,160.00	\$6,720.00	\$60.00	\$6,720.00	\$62.00	\$6,944.00	\$47.60	\$5,331.20
14	18" RCP, Class III Storm Sewer	232.4 LF	\$65.00	\$15,106.00	\$15,687.00	\$67.50	\$15,687.00	\$69.50	\$16,151.80	\$72.99	\$16,962.88
15	12" RCP Apron	1 EA	\$1,200.00	\$1,200.00	\$1,600.00	\$1,600.00	\$1,600.00	\$1,650.00	\$1,650.00	\$1,110.72	\$1,110.72
16	18" RCP Apron	1 EA	\$1,500.00	\$1,500.00	\$1,700.00	\$1,700.00	\$1,700.00	\$1,750.00	\$1,750.00	\$1,195.35	\$1,195.35
17	Intake, Type M-A	9 EA	\$2,500.00	\$22,500.00	\$26,100.00	\$2,900.00	\$26,100.00	\$3,000.00	\$27,000.00	\$1,792.45	\$16,042.05
18	Intake, Type M-C	1 EA	\$4,000.00	\$4,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,100.00	\$5,100.00	\$3,525.75	\$3,525.75
19	Intake, Modify to M-F	1 EA	\$1,500.00	\$1,500.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,100.00	\$4,100.00	\$2,850.85	\$2,850.85
20	M-A Manhole, Storm Sewer	1 EA	\$3,000.00	\$3,000.00	\$2,400.00	\$2,400.00	\$2,500.00	\$2,500.00	\$3,232.73	\$3,232.73	
21	Subdrain	1670 LF	\$20.00	\$33,400.00	\$18,119.50	\$10.85	\$18,119.50	\$11.25	\$18,787.50	\$12.69	\$21,192.30
22	Subdrain Outlet	10 EACH	\$200.00	\$2,000.00	\$2,900.00	\$290.00	\$2,900.00	\$300.00	\$3,000.00	\$74.05	\$740.50
23	Curb & Gutter 2' Width	56 LF	\$25.00	\$1,400.00	\$1,316.00	\$23.50	\$1,316.00	\$24.50	\$1,372.00	\$26.45	\$1,481.20
24	Crushed Red Brick	5 Ton	\$50.00	\$250.00	\$1,400.00	\$280.00	\$1,400.00	\$300.00	\$1,500.00	\$440.00	\$2,200.00
25	Trench Drain	8 LF	\$100.00	\$800.00	\$3,680.00	\$460.00	\$3,680.00	\$475.00	\$3,800.00	\$505.64	\$4,045.12
26	Full Depth PCC Pavement Patch, 6-Inch	49.8 SY	\$60.00	\$2,988.00	\$5,652.30	\$113.50	\$5,652.30	\$75.00	\$3,735.00	\$63.47	\$3,160.81
27	Handcapped Ramps, W/Truncated Domes	3.8 SY	\$120.00	\$456.00	\$592.80	\$156.00	\$592.80	\$410.00	\$1,558.00	\$280.33	\$1,065.25
28	Minor Adjustment Type "B" Ring and Cover	9 EACH	\$500.00	\$4,500.00	\$10,800.00	\$1,200.00	\$10,800.00	\$1,235.00	\$11,115.00	\$1,026.10	\$9,234.90
29	Major Adjustment Type "B" Ring and Cover	1 EACH	\$750.00	\$750.00	\$2,500.00	\$2,500.00	\$2,500.00	\$2,575.00	\$2,575.00	\$2,274.34	\$2,274.34
30	Inlet Protection Filters	18 EACH	\$150.00	\$2,700.00	\$373.50	\$20.75	\$373.50	\$120.00	\$2,160.00	\$21.16	\$380.88
31	Erosion Control	1 LS	\$2,500.00	\$2,500.00	\$2,100.00	\$2,100.00	\$1,950.00	\$1,950.00	\$1,950.00	\$2,275.00	\$2,275.00
32	Type III Turf Reinforcement Mat	1 SQ	\$300.00	\$300.00	\$73.00	\$73.00	\$73.00	\$125.00	\$125.00	\$74.05	\$74.05
33	Seeding, Fertilizer, Mulching	0.5 ACRE	\$4,000.00	\$4,000.00	\$2,000.00	\$2,000.00	\$3,365.00	\$3,365.00	\$1,682.50	\$4,019.76	\$2,009.88
34	Sodding	232 SQ	\$50.00	\$11,600.00	\$6,032.00	\$26.00	\$6,032.00	\$33.50	\$7,772.00	\$31.73	\$7,361.36
35	Traffic Control	1 LS	\$7,972.00	\$7,972.00	\$52,896.62	\$52,896.62	\$66,700.00	\$66,700.00	\$23,506.08	\$23,506.08	
36	Project Sign Small - Standard	2 EACH	\$150.00	\$300.00	\$208.00	\$104.00	\$208.00	\$310.00	\$620.00	\$105.78	\$211.56
37	Tree Protection Fencing	725 LF	\$3.00	\$2,175.00	\$1,885.00	\$2.60	\$1,885.00	\$2.05	\$1,486.25	\$2.84	\$1,914.00
38	Tree Protection	1 LS	\$2,500.00	\$2,500.00	\$420.00	\$420.00	\$925.00	\$925.00	\$423.13	\$423.13	
39	Type "B" Concrete Steps With Handrail	80 SF	\$80.00	\$6,400.00	\$62.50	\$6,250.00	\$5,000.00	\$5,000.00	\$79.70	\$6,376.00	
40	Silt Fence	3700 LF	\$2.50	\$9,250.00	\$6,845.00	\$1.85	\$6,845.00	\$1.75	\$6,475.00	\$1.90	\$7,030.00

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE		AMOUNT		UNIT PRICE		AMOUNT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT		
41	Removal of Silt Fence	3700 LF	\$0.50	\$1,850.00	\$0.25	\$925.00	\$0.10	\$370.00	\$0.26	\$962.00
42	Fence, Chain Link, 48" Height, Black Vinyl	190 LF	\$15.00	\$2,850.00	\$15.25	\$2,897.50	\$15.25	\$2,897.50	\$15.59	\$2,962.10
43	Redi Rock Modular Block Retaining Wall	2250 SF	\$31.00	\$69,750.00	\$36.50	\$82,125.00	\$33.00	\$74,250.00	\$33.85	\$76,162.50
44	Modular Block Retaining Wall - Gray Color	560 SF	\$22.00	\$12,320.00	\$18.25	\$10,220.00	\$15.50	\$8,680.00	\$15.87	\$8,887.20
45	Modular Block Retaining Wall - Blended Color	75 SF	\$23.00	\$1,725.00	\$18.25	\$1,368.75	\$20.50	\$1,537.50	\$21.16	\$1,587.00
46	Remove Existing Retaining Wall and Replace With Modular Block	870 SF	\$25.00	\$21,750.00	\$22.50	\$19,575.00	\$23.75	\$20,662.50	\$24.33	\$21,167.10
47	8" C900 PVC Pipe (Druid Hill)	725 LF	\$35.00	\$25,375.00	\$34.50	\$25,012.50	\$35.50	\$25,737.50	\$27.50	\$19,937.50
48	8" C900 PVC Pipe (E 35th)	994 LF	\$40.00	\$39,760.00	\$33.50	\$33,299.00	\$34.50	\$34,293.00	\$32.79	\$32,593.26
49	8" Bend	7 EACH	\$800.00	\$5,600.00	\$440.00	\$3,080.00	\$455.00	\$3,185.00	\$401.98	\$2,813.86
50	8" Sleeve	1 EACH	\$800.00	\$800.00	\$750.00	\$750.00	\$770.00	\$770.00	\$304.66	\$304.66
51	8" x 8" Tee	2 EACH	\$1,000.00	\$2,000.00	\$1,300.00	\$2,600.00	\$1,340.00	\$2,680.00	\$553.25	\$1,106.50
52	8" x 6" Reducer	1 EACH	\$800.00	\$800.00	\$320.00	\$320.00	\$330.00	\$330.00	\$227.43	\$227.43
53	8" Cap/Plug	1 EACH	\$500.00	\$500.00	\$650.00	\$650.00	\$670.00	\$670.00	\$317.25	\$317.25
54	6" Cap/Plug	1 EACH	\$400.00	\$400.00	\$630.00	\$630.00	\$650.00	\$650.00	\$284.46	\$284.46
55	8" Gate Valve	2 EACH	\$2,500.00	\$5,000.00	\$1,200.00	\$2,400.00	\$1,235.00	\$2,470.00	\$1,480.96	\$2,961.92
56	Hydrant Assembly	6 EACH	\$3,700.00	\$22,200.00	\$3,900.00	\$23,400.00	\$4,025.00	\$24,150.00	\$3,464.40	\$20,786.40
57	Remove Hydrant Assembly	2 EACH	\$500.00	\$1,000.00	\$590.00	\$1,180.00	\$610.00	\$1,220.00	\$370.24	\$740.48
58	Hydrant Relocation at STA. 1+29	1 EACH	\$5,000.00	\$5,000.00	\$3,100.00	\$3,100.00	\$3,200.00	\$3,200.00	\$1,190.06	\$1,190.06
59	Prepare Excavation for Tapping Sleeve and Valve	2 EACH	\$2,500.00	\$5,000.00	\$1,500.00	\$3,000.00	\$1,550.00	\$3,100.00	\$2,644.58	\$5,289.16
60	Water Service Transfer Same Side	8 EACH	\$2,000.00	\$16,000.00	\$1,700.00	\$13,600.00	\$1,750.00	\$14,000.00	\$1,057.83	\$8,462.64
61	Water Service Transfer Opposite Side	9 EACH	\$3,500.00	\$31,500.00	\$3,800.00	\$34,200.00	\$3,915.00	\$35,235.00	\$1,586.75	\$14,280.75
62	1" Water Service Same Side with Meter Pit	2 EACH	\$4,000.00	\$8,000.00	\$4,600.00	\$9,200.00	\$4,740.00	\$9,480.00	\$4,231.32	\$8,462.64
63	Foundation Rock	20 TON	\$22.00	\$440.00	\$34.50	\$690.00	\$35.50	\$710.00	\$31.73	\$634.60
64	1" and smaller water service abandonment	1 EACH	\$1,500.00	\$1,500.00	\$2,700.00	\$2,700.00	\$2,780.00	\$2,780.00	\$1,480.96	\$1,480.96
65	Abandonment of 2" private water main	1 EACH	\$4,000.00	\$4,000.00	\$4,300.00	\$4,300.00	\$4,430.00	\$4,430.00	\$2,052.19	\$2,052.19
TOTAL CONSTRUCTION COST				\$858,000.00		\$830,534.00		\$847,371.65		\$868,540.78
PERCENT OF ENGINEER'S ESTIMATE						-3.20%		-1.24%		+1.23%