

COUNCIL WORKSHOP ITEM

ITEM: Fairview Avenue Watermain Replacement, Project #11-03
DATE: March 17, 2004
PREPARED BY: Michael D. Millette, P.E., Asst. Director of Public Works-Engineering;
Daniel J. Grecco, Project Engineer
PURPOSE: Bid Recommendation for award of proposed watermain replacement
along Fairview Avenue, between 39th & Ogden.
BUDGET
AMOUNT: \$429,000 was budgeted FY03-04.
BID AMOUNT: \$452,940.70
ACCT NUMBER 481.393.0000.5806

DISCUSSION:

Bids Received

With a series of large watermain breaks recently occurring, staff has been directed to replaced an aging and undersized watermain that exists along Fairview Avenue, between 39th & Ogden Avenue. DuPage County is scheduled to complete resurfacing of this section of Fairview Avenue once this watermain replacement project is complete.

Bids were received March 15, 2004 at 2:00 p.m. for Project 11-03. This project is commonly known as Fairview Avenue Watermain Replacement.

A total of ten (10) bids were received. The low bid received was from Comstock Earthmoving, Inc. of Burr Ridge. The low bids received were 28% below the engineer's estimate of \$626,966.00. A detailed bid tabulation is attached. A summary of bids received for this project is as follows:

| | Base Bid | | |
|------------------------|-----------------------|-------------------------|--------------|
| 1 Comstock Earthmoving | \$452,940.70- low bid | 6 Swallow Construction | \$538,717.00 |
| 2 Trine Construction | \$467,000.00 | 7 Martam Construction | \$559,556.50 |
| 3 Mauro Sewer Const. | \$530,690.00 | 8 Vian Construction | \$577,099.95 |
| 4 Cerniglia Company | \$519,578.00 | 9 Bolder Contactors | \$609,432.75 |
| 5 Archon Construction | \$534,480.00 | 10 Kovilic Construction | \$791,512.00 |

Prospective Bidders

Comstock Earthmoving Inc., the low bidder, has not previously performed work for the Village. Staff has requested and checked references for Comstock and has received positive replies of their performance. Local references checked included work done in the Village of Lisle, LaGrange Park, and the Justice-Willow Water Commission. Work completed in Justice-Willow springs was a project of comparable scale listed as a reference. Funds for this project would be provided by account 481.393.0000.5806.

RECOMMENDATION:

Staff recommends that Comstock Earthmoving, Inc. of Burr Ridge be awarded the Fairview Avenue Watermain Replacement contract, in the amount of \$452,940.70, plus 5% contingency, bringing the total approval amount to \$500,000.

Attachments: Fairview Avenue Watermain Replacement Bid Tab

VILLAGE OF DOWNERS GROVE
DEPARTMENT OF PUBLIC WORKS
FAIRVIEW AVENUE WATERMAIN REPLACEMENT
PROJECT 11-03
MARCH 15, 2004 2:00 P.M.

| Bid Tabulation | | | | 1 | | 2 | | 3 | | 4 | | 5 | | | | | |
|----------------|--|-------|--------|---------------------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|--------------|--------------|--------------|--------------|--------------|--|
| | | | | Engineer's Estimate | | COMSTOCK | | TRINE | | MAURO | | CERNIGILIA | | ARCHON | | | |
| ITEM # | Item Description | Unit | Qty | Unit Price | Total Cost | Unit Price | Total Cost | Unit Price | Total Cost | Unit Price | Total Cost | Unit Price | Total Cost | Unit Price | Total Cost | | |
| 1 | Construction Staking & Record Drawings | 1 | L SUM | \$10,000.00 | \$10,000.00 | \$4,200.00 | \$4,200.00 | \$2,910.00 | \$2,910.00 | \$15,000.00 | \$15,000.00 | \$6,000.00 | \$6,000.00 | \$2,100.00 | \$2,100.00 | | |
| 2 | Traffic Control | 1 | LSUM | \$25,000.00 | \$25,000.00 | \$7,000.00 | \$7,000.00 | \$4,785.25 | \$4,785.25 | \$20,000.00 | \$20,000.00 | \$1,700.00 | \$1,700.00 | \$9,663.59 | \$9,663.59 | | |
| 3 | Exploratory Excavation | 1 | LSUM | \$5,000.00 | \$5,000.00 | \$1,000.00 | \$1,000.00 | \$0.10 | \$0.10 | \$5,000.00 | \$5,000.00 | \$2,500.00 | \$2,500.00 | \$2,379.18 | \$2,379.18 | | |
| 4 | Selected Granular Backfill | 2,800 | CU YD | \$25.00 | \$70,000.00 | \$18.50 | \$51,800.00 | \$26.25 | \$73,500.00 | \$28.00 | \$78,400.00 | \$24.00 | \$67,200.00 | \$30.69 | \$85,932.00 | | |
| 5 | Fire Hydrant Removal | 4 | EACH | \$500.00 | \$2,000.00 | \$418.60 | \$1,674.40 | \$395.00 | \$1,580.00 | \$600.00 | \$2,400.00 | \$500.00 | \$2,000.00 | \$569.04 | \$2,276.16 | | |
| 6 | Fire Hydrant with Auxiliary Valve | 8 | EACH | \$2,500.00 | \$20,000.00 | \$2,374.00 | \$18,992.00 | \$2,045.00 | \$16,360.00 | \$2,700.00 | \$21,600.00 | \$3,800.00 | \$30,400.00 | \$2,099.67 | \$16,797.36 | | |
| 7 | Temporary Surface - Bituminous - (4"/4") | 1,600 | SQ YD | \$20.00 | \$32,000.00 | \$19.10 | \$30,560.00 | \$8.70 | \$13,920.00 | \$17.00 | \$27,200.00 | \$9.00 | \$14,400.00 | \$56.50 | \$90,400.00 | | |
| 8 | Class B Pavement Patching 3"/10" | 1,600 | SQ YD | \$90.00 | \$144,000.00 | \$52.80 | \$84,480.00 | \$65.30 | \$104,480.00 | \$44.00 | \$70,400.00 | \$82.00 | \$131,200.00 | \$64.73 | \$103,568.00 | | |
| 9 | Sanitary Service Reconnection | 15 | EACH | \$400.00 | \$6,000.00 | \$158.90 | \$2,383.50 | \$370.00 | \$5,550.00 | \$800.00 | \$12,000.00 | \$110.00 | \$1,650.00 | \$49.97 | \$749.55 | | |
| 10 | Combination Curb & Gutter, B6-12 R & R | 100 | LIN FT | \$20.00 | \$2,000.00 | \$28.00 | \$2,800.00 | \$30.00 | \$3,000.00 | \$28.00 | \$2,800.00 | \$15.00 | \$1,500.00 | \$17.71 | \$1,771.00 | | |
| 11 | Bituminous Surface Removal & Replac- 3" | 10 | SQ YD | \$50.00 | \$500.00 | \$30.00 | \$300.00 | \$36.00 | \$360.00 | \$24.00 | \$240.00 | \$75.00 | \$750.00 | \$76.93 | \$769.30 | | |
| 12 | P.C.C. Driveway Rem. & Repl.- 6" | 900 | SQ YD | \$25.00 | \$22,500.00 | \$8.00 | \$7,200.00 | \$4.27 | \$3,843.00 | \$6.00 | \$5,400.00 | \$5.00 | \$4,500.00 | \$6.00 | \$5,400.00 | | |
| 13 | P.C.C. Sidewalk Rem. & Repl.-5" | 1,425 | SQ YD | \$7.00 | \$9,975.00 | \$8.00 | \$11,400.00 | \$4.60 | \$6,555.00 | \$5.50 | \$7,837.50 | \$6.00 | \$8,550.00 | \$5.66 | \$8,065.50 | | |
| 14 | Parkway Restoration, Sod | 1,000 | SQ YD | \$15.00 | \$15,000.00 | \$4.75 | \$4,750.00 | \$5.60 | \$5,600.00 | \$7.50 | \$7,500.00 | \$7.00 | \$7,000.00 | \$6.35 | \$6,350.00 | | |
| 15 | Storm Sewer, PVC, SDR-26, 8" | 10 | LIN FT | \$50.00 | \$500.00 | \$80.00 | \$800.00 | \$28.65 | \$286.50 | \$85.00 | \$850.00 | \$45.00 | \$450.00 | \$32.16 | \$321.60 | | |
| 16 | Ductile Iron Water Main Pipe (6") | 155 | LIN FT | \$40.00 | \$6,200.00 | \$37.50 | \$5,812.50 | \$32.45 | \$5,029.75 | \$32.00 | \$4,960.00 | \$33.00 | \$5,115.00 | \$24.84 | \$3,850.20 | | |
| 17 | Ductile Iron Water Main Pipe (8") | 2,436 | LIN FT | \$45.00 | \$109,620.00 | \$42.00 | \$102,312.00 | \$45.60 | \$111,081.60 | \$38.00 | \$92,568.00 | \$47.00 | \$114,492.00 | \$34.19 | \$83,286.84 | | |
| 18 | Polyethylene Encasement (6") | 35 | LIN FT | \$1.00 | \$35.00 | \$1.00 | \$35.00 | \$0.30 | \$10.50 | \$2.50 | \$87.50 | \$1.00 | \$35.00 | \$0.42 | \$14.70 | | |
| 19 | Polyethylene Encasement (8") | 2,436 | LIN FT | \$1.00 | \$2,436.00 | \$1.00 | \$2,436.00 | \$0.30 | \$730.80 | \$2.00 | \$4,872.00 | \$1.00 | \$2,436.00 | \$0.44 | \$1,071.84 | | |
| 20 | Fittings | 4,000 | POUND | \$3.50 | \$14,000.00 | \$3.50 | \$14,000.00 | \$0.10 | \$400.00 | \$3.00 | \$12,000.00 | \$2.40 | \$9,600.00 | \$1.89 | \$7,560.00 | | |
| 21 | Water Main Pipe in Steel Casing, Open Cut, 6" | 25 | LIN FT | \$100.00 | \$2,500.00 | \$29.40 | \$735.00 | \$49.30 | \$1,232.50 | \$55.00 | \$1,375.00 | \$80.00 | \$2,000.00 | \$58.73 | \$1,468.25 | | |
| 22 | Water Main Pipe in Steel Casing, Open Cut, 8" | 180 | LIN FT | \$100.00 | \$18,000.00 | \$32.00 | \$5,760.00 | \$52.75 | \$9,495.00 | \$65.00 | \$11,700.00 | \$85.00 | \$15,300.00 | \$66.92 | \$12,045.60 | | |
| 23 | Abandonment of Old Water Main | 1 | L SUM | \$10,000.00 | \$10,000.00 | \$3,000.00 | \$3,000.00 | \$1,755.00 | \$1,755.00 | \$1,000.00 | \$1,000.00 | \$5,000.00 | \$5,000.00 | \$1,392.15 | \$1,392.15 | | |
| 24 | Water Service, 1", Short, open cut | 1 | EACH | \$2,000.00 | \$2,000.00 | \$689.30 | \$689.30 | \$780.00 | \$780.00 | \$800.00 | \$800.00 | \$700.00 | \$700.00 | \$707.78 | \$707.78 | | |
| 25 | Water Service 1", Augered, Short | 6 | EACH | \$1,200.00 | \$7,200.00 | \$962.00 | \$5,772.00 | \$1,025.00 | \$6,150.00 | \$1,100.00 | \$6,600.00 | \$600.00 | \$3,600.00 | \$605.36 | \$3,632.16 | | |
| 26 | Water Service, 1" Short, Encased PVC Casing open cut | 3 | EACH | \$1,000.00 | \$3,000.00 | \$832.80 | \$2,498.40 | \$853.00 | \$2,559.00 | \$500.00 | \$1,500.00 | \$800.00 | \$2,400.00 | \$1,221.31 | \$3,663.93 | | |
| 27 | Water Service, Augered, 1", Long | 22 | EACH | \$1,500.00 | \$33,000.00 | \$1,319.30 | \$29,024.60 | \$1,125.00 | \$24,750.00 | \$1,500.00 | \$33,000.00 | \$900.00 | \$19,800.00 | \$925.81 | \$20,367.82 | | |
| 28 | Water Service 1 1/2", Augered, Short | 2 | EACH | \$1,500.00 | \$3,000.00 | \$1,160.70 | \$2,321.40 | \$1,275.00 | \$2,550.00 | \$800.00 | \$1,600.00 | \$1,100.00 | \$2,200.00 | \$796.99 | \$1,593.98 | | |
| 29 | Water Service, Augered, 1" Long, Encased PVC Casing | 1 | EACH | \$2,000.00 | \$2,000.00 | \$1,060.90 | \$1,060.90 | \$1,052.00 | \$1,052.00 | \$1,800.00 | \$1,800.00 | \$600.00 | \$600.00 | \$1,305.31 | \$1,305.31 | | |
| 30 | Resilient - Seated Gate Valve (6"), in 5' Vault | 2 | EACH | \$2,000.00 | \$4,000.00 | \$1,967.90 | \$3,935.80 | \$2,025.00 | \$4,050.00 | \$2,800.00 | \$5,600.00 | \$3,100.00 | \$6,200.00 | \$1,884.62 | \$3,769.24 | | |
| 31 | Resilient - Seated Gate Valve (8"), in 5' Vault | 6 | EACH | \$2,500.00 | \$15,000.00 | \$2,547.30 | \$15,283.80 | \$2,275.00 | \$13,650.00 | \$2,900.00 | \$17,400.00 | \$3,700.00 | \$22,200.00 | \$2,089.37 | \$12,536.22 | | |
| 32 | Side-Tapping Resilient-Seated Gate Valve (8"), in 5' Vault | 1 | EACH | \$4,000.00 | \$4,000.00 | \$2,638.70 | \$2,638.70 | \$3,264.00 | \$3,264.00 | \$3,200.00 | \$3,200.00 | \$2,500.00 | \$2,500.00 | \$3,637.64 | \$3,637.64 | | |
| 33 | Line Stop Existing Main, 6" | 3 | EACH | \$3,000.00 | \$9,000.00 | \$3,045.00 | \$9,135.00 | \$4,175.00 | \$12,525.00 | \$7,500.00 | \$22,500.00 | \$3,300.00 | \$9,900.00 | \$4,963.04 | \$14,889.12 | | |
| 34 | Line Stop Existing Main, 8" | 2 | EACH | \$3,500.00 | \$7,000.00 | \$3,261.20 | \$6,522.40 | \$4,625.00 | \$9,250.00 | \$8,500.00 | \$17,000.00 | \$3,500.00 | \$7,000.00 | \$5,173.04 | \$10,346.08 | | |
| 35 | Silt Fence | 500 | LIN FT | \$3.00 | \$1,500.00 | \$4.00 | \$2,000.00 | \$0.15 | \$75.00 | \$5.00 | \$2,500.00 | \$3.00 | \$1,500.00 | \$2.37 | \$1,185.00 | | |
| 36 | Connection to Existing Water Main | 6 | EACH | \$1,500.00 | \$9,000.00 | \$1,438.00 | \$8,628.00 | \$2,230.00 | \$13,380.00 | \$2,000.00 | \$12,000.00 | \$1,200.00 | \$7,200.00 | \$1,602.15 | \$9,612.90 | | |
| Totals | | | | ENGINEERS ESTIMATE | | \$626,966.00 | | \$452,940.70 | | \$466,500.00 | | \$530,690.00 | | \$519,578.00 | | \$534,480.00 | |
| | | | | bids as read | | 452,940.70 | | 467,000.00 | | 530,690.00 | | 534,878.00 | | 534,480.00 | | | |
| | | | | Placement | | 1 | | 2 | | 3 | | 4 | | 5 | | | |
| | | | | | | COMSTOCK | | TRINE | | MAURO | | CERNIGILIA | | ARCHON | | | |

