

**VILLAGE OF DOWNERS GROVE
REPORT FOR THE VILLAGE COUNCIL WORKSHOP
NOVEMBER 25, 2008 AGENDA**

SUBJECT:	TYPE:	SUBMITTED BY:
Change Order 3: Maple / 55 th Water Main Replacement (CIP Project WA-006)	Resolution Ordinance ✓ Motion Discussion Only	Robin A. Weaver, Interim Director of Public Works

SYNOPSIS

A motion has been prepared authorizing the execution of Change Order #3 for the Maple Avenue / 55th Street Water Main Replacement Project (CIP Project WA-006) in the amount of \$39,372. The change order also includes a 15 day extension of time for the project.

STRATEGIC PLAN ALIGNMENT

The Five Year Plan and Goals for 2007-2012 identified *Top Quality Infrastructure and Facilities*. A supporting objective of this goal is *Preservation of our Residential and Neighborhood Character*.

FISCAL IMPACT

The FY08 Water Fund allocates \$1,585,996.96 for this project. The approval of Change Order # 3 will change the total contract amount to \$1,533,318.05 (\$52,648.91 under budget).

Change Order Summary:

Original Contract Amount	\$1,585,996.96
Change Order # 1	(\$222,111.86)
Change Order # 2	\$130,090.95
Change Order # 3	\$39,372
Revised Contract Amount	\$1,533,318.05
Total Increase / (Reduction)	(\$52,648.91)

RECOMMENDATION

Approval on the December 2, 2008 consent agenda.

BACKGROUND

On June 19, 2007, the Village Council approved a contract with Archon Construction for FY08 in the amount of \$1,585,996.96 for the replacement of the majority of the feeder main on Maple Avenue and 55th Street between Plymouth and Fairview. On June 3, 2008, the Village Council approved Change Order #1 which reduced the contract amount by \$222,111.86. Change Order #1 reduced the scope of the project in response to unexpected project review comments provided by DuPage County. On August 5, 2008, the Village Council approved Change Order #2 which increased the contract amount by \$130,090.95. Change Order #2 paid for the increased operating and materials costs which increased due to inflation during the time when the original contract was awarded and the time the project started.

Change Order No. 3 consists of several revisions and additions in the overall project scope and cost. Some of the major cost reductions associated with Change Order No. 3 include reductions for the temporary traffic signal, traffic signal detector loop replacement, and tree removal processes. These cost reductions were primarily the result of a partial redesign of the watermain replacement through the Dunham / Maple-55th intersection. Total cost reductions as a result of Change Order No. 3 are \$51,121.50.

Change Order No. 3 also includes several additions to the project which result in increased costs. Per DuPage County requirements not previously indicated, reflective crack control over the excavated watermain trench must be included in the project. In addition, pavement stripping was also not previously included in the original estimate of work, primarily due to the fact the County had planned to resurface the roadway as part of its capital plan. Other unanticipated expenses are due to the conflicting and previously unknown location of utilities and the disposal of some soil. Total cost increases for Change Order No. 3 are \$90,493.50. These additional costs, in conjunction with the \$51,121.50 cost reductions listed above, produce a net increase in project costs for the Maple / 55th Water Main Replacement as a result of Change Order No. 3 totaling \$39,372.

In addition to the revisions in the scope and cost of the project, Change Order No. 3 also includes a 15 day extension of time for project work. Final restoration for the last phase of project work is weather dependent, as the County will not allow a final lift of surface or striping to be applied if temperatures are too low. To account for that contingency, the contractor would temporarily cap the final 2 inches of the surface over the trench with concrete, and final surface work would be done in the spring. The time increase of 15 days would match the time authorized by the County Permit to complete this project.

ATTACHMENTS

Change Order #3

Change Order #3 breakdown of costs

Village of Downers Grove Change Order

Project Name: 55TH/MAPLE WATER MAIN REPLACEMENT

Date: 11/5/2008

Project No: WA006-07

No: 3

Contractor: ARCHON CONSTRUCTION

You are directed to make the following changes to this contract:

SEE ATTACHED COST BREAKDOWN

The original contract sum was:.....	(1)	\$1,585,966.96
Net amount of previous change orders:.....	(2)	(\$92,020.91)
Current contract amount (1) + (2):.....	(3)	\$1,493,946.05
This Proposed Change Order:.....	(4)	\$39,372.00
Proposed Revised Contract Amount (3) + (4):.....	(5)	\$1,533,318.05

Net of Change Orders Pending Approval (2) + (4): (\$52,648.91)

Budget Estimate:..... \$0.00

Original Completion Date:..... 4/30/2008

Time Extension or Reduction:..... 215 DAYS

Total Contract Time (Pending Approval):..... 12/1/2008

RECOMMENDED FOR ACCEPTANCE:

APPROVED:

Project Engineer Date

 Village Manager Date

Director of Public Works

Contractor Date

It is understood that as part of this change order that the Contractor agrees that all bonds, permits, insurance, and guarantees are hereby extended to incorporate this Change Order.

Name: **55TH/MAPLE WATER MAIN REPLACEMENT**
 Project No: **WA006-07**

Date: **11/5/2008**
 No: **3**

No.	Item	Orig. Quan.	Unit	Add or Deduct	Revised Quan.	Unit Price	Total Change in Price
2	Class D Patches, Special	900	SQ YD	1,320.0	2220.00	\$55.00	(\$4,400.00)
3	Combination Concrete Curb and Gutter, Type B6.12	300	LIN FT	60.0	360.00	\$19.80	\$396.00
13	8" Water Main Pipe in Steel Casing Pipe, Augered	107	LIN FT	(37.0)	70.00	\$340.00	(\$12,580.00)
14	8" Water Main Pipe in Steel Casing Pipe, Open Cut	33	LIN FT	137.0	170.00	\$80.00	\$2,960.00
18	Hot-Mix Asphalt Driveway Removal & Replacement	100	SQ YD	500.0	600.00	\$38.50	\$3,850.00
19	Hot-Mix Surface Course, N50, Mix C 3"	398	TON	756.0	1153.60	\$93.50	(\$4,114.00)
29	PCC Sidewalk, 5", Special	6000	SQ FT	750.0	6750.00	\$5.50	\$4,125.00
32	Sidewalk Removal	6000	SQ FT	2,450.0	8450.00	\$1.65	\$1,237.50
33	Sodding Salt Tolerant, Special	1300	SQ YD	1,000.0	2300.00	\$9.90	\$2,970.00
37	Temporary Surface Over Trench - Aggregate (CA-6), 6"	3944.246	SQ YD	(2,344.2)	1600.00	\$18.95	\$28,425.00
40	Thermoplastic Pavement Marking Line, 4"	2200	LIN FT	7,000.0	9200.00	\$1.45	\$10,150.00
51	Detector Loop Replacement	350	LIN FT	(350.0)	0.00	\$14.95	(\$5,232.50)
C	TREE REMOVAL	0	I.D.	0.0	0.00	\$25.00	(\$3,000.00)
D	ROOT PRUNING	0	LIN FT	235.0	235.00	\$3.00	(\$2,295.00)
E	TEMPORARY SIGNALIZED INTERSECTION	0	EACH	1.15	1.15	\$45,000.00	(\$15,750.00)
I	HOT MIX SURFACE REMOVAL, 3 INCH	0	S.Y.	5,550.0	5550.00	\$5.00	(\$3,750.00)
L	THERMOPLASTIC PAVEMENT MARKINGS (SYMBOLS/LETTERING)	0	SQ FT	800.0	800.00	\$2.00	\$1,600.00
M	REFLECTIVE PAVEMENT MARKER (REMOVE AND REPLACE)	0	EACH	50.0	50.00	\$75.00	\$3,750.00
N	PAVING MARKING LINE REMOVAL	0	LS	1.0	1.00	\$2,500.00	\$2,500.00
O	THERMOPLASTIC PAVING MARKING LINE, 6" (WHITE DASH)	0	LIN FT	3,000.0	3000.00	\$1.25	\$3,750.00
P	TEMPORARY MARKING PAINT (WEST OF DUNHAM)	0	LIN FT	1,600.0	1600.00	\$0.30	\$480.00
Q	TEMPORARY MARKING TAPE (EAST OF DUNHAM)	0	LIN FT	6,200.0	6200.00	\$1.00	\$6,200.00
R	NON-SPECIAL WASTE DISPOSAL	0	TON	60.0	60.00	\$95.00	\$5,700.00
S	EXPOLRATION TRENCH - Avery Coonley School	0	LS	1.0	1.00	\$2,000.00	\$2,000.00
T	REMOVE AND REINSTALL ELECTRIC CONDUIT	0	LS	1.0	1.00	\$1,500.00	\$1,500.00
U	STORM MANHOLE, 5' DIA., INSTALLED AT BROOKBANK	0	EACH	1.0	1.00	\$4,200.00	\$4,200.00
V	CONCRETE STORM SEWER PIPE, 24 INCH DIA.	0	LIN FT	20.0	20.00	\$70.00	\$1,400.00
W	REFLECTIVE CRACK CONTROL WITH ADHESIVE TACK	0	SQ YD	1,650.0	1650.00	\$2.00	\$3,300.00

CHANGE ORDER #3 AMOUNT	\$39,372.00
Previous Change Orders	-\$92,020.91
Original Contract Amount	\$1,585,966.96
Proposed Revised Contract Amount	-\$52,648.91