

**VILLAGE OF DOWNERS GROVE**  
**REPORT FOR THE VILLAGE COUNCIL WORKSHOP**  
**JULY 14, 2009 AGENDA**

SUBJECT:	TYPE:	SUBMITTED BY:
Contract Amendment: Professional Engineering Design Services Projects: 59 <sup>th</sup> Street Water Main Replacement (WA-030)	✓ Resolution Ordinance Motion Discussion Only	Naneil R. Newlon, P.E. Director of Public Works

**SYNOPSIS**

A resolution has been prepared to authorize an amendment to the contract with Burns & McDonnell Engineering Co., Inc. (B&M) in the amount of \$2,399.47 for additional work performed on the 59<sup>th</sup> Street Water Main Replacement project.

**STRATEGIC PLAN ALIGNMENT**

The Five Year Plan and Goals for 2008-2013 identified *Top Quality Village Infrastructure & Facilities*. A supporting objective of this goal is *Safe Water, Reliable Service*.

**FISCAL IMPACT**

The FY09 budget provides \$30,000 in the Capital Projects fund for design services associated with the 59<sup>th</sup> Street Water Main Replacement Project. The proposed resolution would increase the contract amount for the project from \$20,683.51 to \$23,082.99.

**RECOMMENDATION**

Approval on the July 21, 2009 consent agenda.

**BACKGROUND**

On October 21, 2008 the Village awarded a contract to B&M in the amount of \$20,683.51 for design services related to the water main replacement at 59<sup>th</sup> Street between Dunham and Main. During staff's review of the plans it was determined that cost savings could be realized during the water main construction process if the pavement restoration work for the project was combined with the 2009 Roadway Maintenance program. By combining the pavement restoration work with the 2009 Roadway Maintenance the Village could work directly with the pavement restoration contractor and avoid subcontractor markup costs for pavement restoration work at the project location. Staff requested that B&M revise their plans, plan quantities and bid documents to accommodate this change. The cost for B&M to revise their plans to accommodate the Village's request would increase the contract amount by \$2,399.47, bringing the total contract cost to \$23,082.98.

**ATTACHMENTS**

Resolution  
Amendment  
Exhibit A

**RESOLUTION NO. \_\_\_\_\_**

**A RESOLUTION AUTHORIZING EXECUTION OF A FIRST AMENDMENT  
FOR PROFESSIONAL ENGINEERING SERVICES**

BE IT RESOLVED by the Village Council of the Village of Downers Grove, DuPage County, Illinois, as follows:

1. That the form and substance of a certain Amendment (the “Amendment”), between the Village of Downers Grove (the “Village”) and Burns & McDonnell (the “Consultant”), for Phase I & II engineering services related to watermain improvements for Rogers Street, as set forth in the form of the Amendment submitted to this meeting with the recommendation of the Village Manager, is hereby approved.

2. That the Village Manager and Village Clerk are hereby respectively authorized and directed for and on behalf of the Village to execute, attest, seal and deliver the Amendment, substantially in the form approved in the foregoing paragraph of this Resolution, together with such changes as the Manager shall deem necessary.

3. That the proper officials, agents and employees of the Village are hereby authorized and directed to take such further action as they may deem necessary or appropriate to perform all obligations and commitments of the Village in accordance with the provisions of the Amendment.

4. That all resolutions or parts of resolutions in conflict with the provisions of this Resolution are hereby repealed.

5. That this Resolution shall be in full force and effect from and after its passage as provided by law.

\_\_\_\_\_  
Mayor

Passed:

Attest: \_\_\_\_\_  
Village Clerk

FIRST AMENDMENT TO AGREEMENT FOR PROFESSIONAL ENGINEERING  
SERVICES

The Agreement dated September 12, 2008 by and between Burns & McDonnell Engineering Co., Inc. ("Consultant") and the Village of Downers Grove ("Village") is hereby amended as follows:

1. The second sentence of Section II B shall be amended as follows:

"As a condition of tender and receipt of a proper invoice, the Village of Downers Grove will pay the fee as defined in ~~the Scope of Services submission dated 9/9/08.~~ Section III A below.

2. Section III A shall be stricken in full and replaced with the following:

**A. Basic Fees**

The Village will pay the Consultant an amount not to exceed \$23,082.99. This amount is based upon the Estimate of Labor Expenses attached hereto and herein incorporated as Exhibit A to First Amendment to Agreement for Professional Services.

IN WITNESS WHEREOF, the Parties have executed this Agreement on the date indicated above.

BURNS & MCDONNELL  
ENGINEERING CO., INC.

VILLAGE OF DOWNERS GROVE

BY: \_\_\_\_\_ By: \_\_\_\_\_

TITLE: \_\_\_\_\_ VILLAGE MANAGER

DATE: \_\_\_\_\_ DATE: \_\_\_\_\_

**Village of Downers Grove  
WA-026 Watermain Interconnections - 59th Street  
July 10, 2009 Estimate of Labor Expenses**



<b>Personnel &amp; Hours</b>										
	Classification Level	# of Sheets	Project	Project	Project	Staff	CADD	Survey	CADD /	Hours
			Principal	Manager	Engineer	Engineer		Admin		
	Rate*		14	13	12	10	9	11	9	
			\$53.57	\$47.85	\$45.00	\$37.86	\$35.00	\$42.50	\$35.00	
	<b>Topographic Survey</b>									
Task 1	Topographic Survey and Base Mapping						8	24		32
	<i>Topographic Survey Sub-Total:</i>						8	24		32
	<b>Preliminary Engineering Phase I</b>									
Task 2	Project Initiation Meeting			2						2
Task 3	Data Collection and Deliverable Identification			2	4					6
Task 4	Preliminary Plan Preparation and Review			4	8	12	12			36
	<i>Preliminary Engineering Phase I - Subtotal:</i>			8	12	12	12			44
	<b>Design Engineering Phase II</b>									
Task 5	Pre-Final Plans and Specifications			8	16	16	16			56
Task 6	Obtain Required Permits			10	1	12				23
Task 7	Meetings, Final Plans & Contract Documents			4	8	4	8			24
Task 8	Bidding Support			1	4	2				7
Task 9	Pre-bid Conference			2	2					4
Task 10	Bid Recommendation Support					1				1
	<i>Design Engineering Phase II - Subtotal:</i>			25	31	35	24			115
	<b>Total:</b>			33	43	47	44	24		191

**Village of Downers Grove**  
**WA-026 Watermain Interconnections - 59th Street**  
**July 10, 2009 Estimate of Labor Expenses**

Client: Village of Downers Grove  
 Project: Professional Engineering Services for Watermain Interconnections - 59th Street  
 Location: Village of Downers Grove



Overhead Rate = 1.445  
 Complexity Factor ( R ) =  
 Fixed Fee = 14.5%

<b>Cost Estimate</b>							
Item Description	Hours	Payroll	Overhead and Burden	In-House Direct Costs	Fixed Fee	Services by Others	Total
<b>Topographic Survey</b>							
Task 1	Topographic Survey and Base Mapping	32	\$1,300.00	\$1,878.50	\$885.00	\$460.88	\$4,524.38
<i>Topographic Survey Sub-Total:</i>		32	\$1,300.00	\$1,878.50	\$885.00	\$460.88	\$4,524.38
<b>Preliminary Engineering Phase I</b>							
Task 2	Project Initiation Meeting	2	\$95.70	\$138.29		\$33.93	\$267.91
Task 3	Data Collection and Deliverable Identification	6	\$275.70	\$398.39		\$97.74	\$771.83
Task 4	Preliminary Plan Preparation and Review	36	\$1,425.72	\$2,060.17	\$28.00	\$505.45	\$4,019.34
<i>Preliminary Engineering Phase I - Subtotal:</i>		44	\$1,797.12	\$2,596.84	\$28.00	\$637.12	\$5,059.08
<b>Design Engineering Phase II</b>							
Task 5	Pre-Final Plans and Specifications	56	\$2,268.56	\$3,278.07	\$160.00	\$804.26	\$6,510.89
Task 6	Obtain Required Permits	23	\$977.82	\$1,412.95	\$24.00	\$346.66	\$2,761.43
Task 7	Meetings, Final Plans & Contract Documents	24	\$982.84	\$1,420.20		\$348.44	\$2,751.49
Task 8	Bidding Support	7	\$303.57	\$438.66		\$107.62	\$849.85
Task 9	Pre-bid Conference	4	\$185.70	\$268.34		\$65.84	\$519.87
Task 10	Bid Recommendation Support	1	\$37.86	\$54.71		\$13.42	\$105.99
<i>Design Engineering Phase II - Subtotal:</i>		115	\$4,756.35	\$6,872.93	\$184.00	\$1,686.24	\$13,499.52
<b>Total:</b>		<b>191</b>	<b>\$7,853.47</b>	<b>\$11,348.26</b>	<b>\$1,097.00</b>	<b>\$2,784.25</b>	<b>\$23,082.99</b>