



**AGENDA ITEM # 7J**

**AGENDA ITEM EXECUTIVE SUMMARY  
Village Board Meeting  
October 14, 2019**

**Item Title:** 2020 Watermain Project Design Engineering Services

**Staff Contact:** Karen R. Young, P.E., C.F.M. Director of Public Works

**VILLAGE BOARD ACTION**

**Adopt a Resolution authorizing the Mayor to execute a Task Order for Design Engineering Services with Robinson Engineering for the 2020 Watermain Improvement Project in the amount of \$60,714.**

**Executive Summary:**

The Village selected Robinson Engineering, Ltd to provide municipal engineering services through a Qualified Based Selection Process (QBS) and they have been providing design engineering services for the Villages watermain projects. The attached task order was negotiated with Robinson Engineering for design engineering for the 2020 Watermain Project and is recommended for approval.

**Implications:**

**Is this item budgeted?** Yes in account 53918191-71110.

**Any other implications to be considered?** None.

**Attachments:**

Resolution  
Task Order – Robinson Engineering

**RESOLUTION NO. 2019-**

**A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE A TASK ORDER FOR DESIGN ENGINEERING SERVICES WITH ROBINSON ENGINEERING FOR THE 2020 WATER MAIN IMPROVEMENT PROJECT IN THE AMOUNT OF \$60,714**

WHEREAS, the Mayor and Board of Trustees of the Village of Roselle, DuPage and Cook Counties, Illinois, have determined that it is in the best interests of the Village of Roselle to enter into a Task Order for Professional Services with Robinson Engineering regarding the 2020 Water Main Improvement Project.

NOW, THEREFORE, be it resolved by the Mayor and Board of Trustees of the Village of Roselle, DuPage and Cook Counties, Illinois, that the Mayor is hereby authorized to sign and the Village Clerk is hereby directed to attest to that certain Task Order attached hereto and incorporated herein as fully set forth as Exhibit A.

ADOPTED this 14th day of October, 2019

AYES:

NAYS:

ABSTAIN:

ABSENT:

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Andrew J. Maglio, Mayor

ATTEST:

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Patricia Burns, Village Clerk

In accordance with Paragraph 1.01 of the Agreement between the **Village of Roselle** ("OWNER") and **Robinson Engineering, Ltd.** ("ENGINEER") for General Professional Services dated October 10, 2016 ("Agreement"), OWNER and ENGINEER agree to as follows:

**1. SPECIFIC PROJECT DATA:**

A. Title: 2020 WATER MAIN REPLACEMENT PROJECT

B. Description: Replacement of existing water mains, valves, hydrants, and water services reinstatement at the following locations:

1. Sycamore Ave (Sunnyside Dr. to E. Bryn Mawr Ave) approximately 970 LF
  2. Sunnyside Drive ( Sycamore Ave to Sunnyside Dr. ) approximately 530 LF
  3. East Bryn Mawr ( Pierce Dr to Sycamore Ave) approximately 405 LF
  4. Pierce Drive ( Sunnyside Drive to East Bryn Mawr Ave) approximately 570 LF
  5. West Maple Ave ( Hill St to Roselle Rd), approximately 1150 LF
- Total Project length = 3625 LF

**2. SERVICES OF ENGINEER:**

Preliminary and Final Engineering including: Initial consultation with Village staff; site visits and project meetings; field topography and data processing; engineering design and preparation of plans, specification, contract documents and cost estimates; IEPA permit applications as required; coordination with Village, IEPA, property owners and other stakeholders; assist Village in obtaining and reviewing construction bids; prepare bid tabulation; contract award recommendation and administration; related project correspondence and management.

Estimated construction cost: \$1,187,500

**3. ENGINEERING FEES:**

Lump-Sum Not-To-Exceed Engineering Fee of \$60,714.00



Approved this \_\_\_\_\_ day of \_\_\_\_\_ 2017:

VILLAGE OF ROSELLE ("OWNER")

ROBINSON ENGINEERING, LTD. ("ENGINEER")

Date Signed: \_\_\_\_\_

Date Signed: \_\_\_\_\_

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

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

Title: \_\_\_\_\_

Title: \_\_\_\_\_

**2020 WATER MAIN REPLACEMENT PROJECT  
VILLAGE OF ROSELLE**

Anticipated Project Scope: Topography preliminary and final design engineering and bidding services for infrastructure rehabilitation at the following locations:

Sycamore Ave	Sunnyside to E Bryn Mawr	(1)	970 LF	\$291,000.00
Sunnyside Dr	Sycamore to Sunnyside Dr	(1)	530 LF	\$159,000.00
E. Bryn Mawr	Pierce to Sycamore	(1)	405 LF	\$121,500.00
Pierce Dr	Sunnyside to E. Bryn Mawr	(1)	570 LF	\$171,000.00
W Maple	Hill to Roselle	(2)	1150 LF	\$445,000.00
<b>Total</b>			<b>3625 LF</b>	<b>\$1,187,500.00</b>

- (1) Watermain, valve, hydrant replacement and water services
- (2) Watermain, valve, hydrant replacement and water Lead services (B-box to Meter)

**Detailed Fee Breakdown:**

All manhours and employee classifications are estimates based on experience on prior projects. Actual employees utilized for various tasks may vary depending on resources available to enable project to meet critical path schedule.

**1 FIELD TOPOGRAPHY & DATA PROCESSING**

Senior Engineer	2 hrs @	\$ 160.00	=	\$	320.00
Field Supt.	2 hrs @	\$ 152.00	=	\$	304.00
Field Crew	32 hrs @	\$ 186.00	=	\$	5,952.00
CAD Manager	5 hrs @	\$ 134.00	=	\$	670.00
<b>SUBTOTAL</b>				<b>\$</b>	<b>7,246.00</b>

**2 DATA COLLECTION & UTILITY COORDINATION**

Senior Engineer	4 hrs @	\$ 160.00	=	\$	640.00
Permit Coordinator	10 hrs @	\$ 125.00	=	\$	1,250.00
CAD Technologist	12 hrs @	\$ 100.00	=	\$	1,200.00
<b>SUBTOTAL</b>				<b>\$</b>	<b>3,090.00</b>

**3 EXISTING CONDITIONS DRAFTING & BASE**

CAD Manager	4 hrs @	\$ 134.00	=	\$	536.00
CAD Technologist	32 hrs @	\$ 100.00	=	\$	3,200.00
<b>SUBTOTAL</b>				<b>\$</b>	<b>3,736.00</b>

**4 PRELIMINARY DESIGN ENGINEERING (75% PLANS)**

Senior Engineer	12 hrs @	\$ 160.00	=	\$	1,920.00
Project Engineer	36 hrs @	\$ 145.00	=	\$	5,220.00
CAD Technologist	36 hrs @	\$ 100.00	=	\$	3,600.00
<b>SUBTOTAL</b>				<b>\$</b>	<b>10,740.00</b>

5 PERMITTING & COORDINATION

Senior Engineer	8 hrs @	\$ 160.00	=	\$	1,280.00
Project Engineer	24 hrs @	\$ 145.00	=	\$	3,480.00
<b>SUBTOTAL</b>				<b>\$</b>	<b>4,760.00</b>

6 FINAL DESIGN ENGINEERING (100% PLANS, SPECIFICATIONS, BIDDING DOCS, QC/QA)

Senior Engineer	12 hrs @	\$ 160.00	=	\$	1,920.00
Project Engineer	40 hrs @	\$ 145.00	=	\$	5,800.00
CAD Technologist	40 hrs @	\$ 100.00	=	\$	4,000.00
CAD Manager	2 hrs @	\$ 134.00	=	\$	268.00
Sr. Project Manager	4 hrs @	\$ 186.00	=	\$	744.00
Resident Engineer	4 hrs @	\$ 130.00	=	\$	520.00
<b>SUBTOTAL</b>				<b>\$</b>	<b>13,252.00</b>

7 BIDDING SERVICES

Sr. Engineer	20 hrs @	\$ 160.00	=	\$	3,200.00
Project Engineer	20 hrs @	\$ 145.00	=	\$	2,900.00
Administrative	40 hrs @	\$ 80.00	=	\$	3,200.00
<b>SUBTOTAL</b>				<b>\$</b>	<b>9,300.00</b>

8 MEETINGS & PROJECT MANAGEMENT

Sr. Engineer	30 hrs @	\$ 160.00	=	\$	4,800.00
Sr. Project Manager	15 hrs @	\$ 186.00	=	\$	2,790.00
Principal Engineer	5 hrs @	\$ 200.00	=	\$	1,000.00
<b>SUBTOTAL</b>				<b>\$</b>	<b>8,590.00</b>

**TOTAL TOOPGRAPHIC SURVEY, PRELIMINARY & FINAL ENGINEERING, BIDDING COST: \$ 60,714.00**