

**A RESOLUTION AUTHORIZING THE AWARD OF A CONTRACT FOR
2012 SANITARY SEWER FLOW MONITORING**

NOW, THEREFORE, BE IT RESOLVED by the Mayor and the City Council of the City of Rolling Meadows, Illinois, that a contract for Professional Services be awarded to RJN Group, Inc., located at 200 West Front Street, Wheaton, Illinois 60187, in an amount not to exceed \$37,390, per the proposal dated March 2, 2012 (copy attached) for placement of five (5) flow meters, to be placed for a 60-75 day period, in the “Waverly Park” area (2 locations) and the Jay/Grouse/Fulle area (3 locations).

Funding for this project is to be provided from the Utilities Fund – Sanitary Sewer Rehabilitation (Account # 20.07.5000.60070).

YEAS:

NAYS:

ABSENT:

Passed and approved this 27th day of March 2012.

Tom Rooney, Mayor

ATTEST:

Ginny Cotugno, Deputy City Clerk

March 2, 2012

Mr. Fred Vogt
Director of Public Works
City of Rolling Meadows
3900 Berdnick Street
Rolling Meadows, IL 60008

Subject: 2012 Sanitary Sewer Flow Monitoring
Project Scope and Cost Proposal

Dear Mr. Vogt:

It is our pleasure to provide you with this proposal to evaluate the sanitary sewer system in the southern part of the City. This proposal is for flow monitoring in two areas of the City. The first area is bounded to the north and south by Kirchoff Road and Central Road. The second area, just to the south of the first area, is bounded to the north and south by Central Road and Algonquin Road. Both areas are shown on the attached exhibit.

The purpose of the flow monitoring is to determine the extent of the excess inflow and infiltration (I/I) in each area and to isolate locations where future I/I reduction efforts should be focused. Furthermore, this study will evaluate any evidence of backup or negative influence from the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) interceptor located on Central Road, where both areas discharge.

We propose to install three flow meters in the northern area at or near Manholes 22-56, 22-62 and 23-5. In the southern area, we propose to install two flow meters at or near Manholes 27-04 and 28-10. The five proposed meter locations and their tributary basins are shown on the attached exhibit. We also propose to install one rain gauge at a location to be coordinated with the City. The meters and rain gauge would be installed in April 2012 and remain in service for 75 days.

Proposed Scope of Work

This proposal is based on the following scope of services:

- A. Investigate the potential sites for meter installation. Prepare and install five flow meters and one rain gauge.
- B. Provide weekly meter and rain gauge maintenance and data download for the duration of the metering. Remove the meters and rain gauge after 75 days.
- C. Review, analyze and process the flow and rain data.
- D. Prepare and submit three copies of a draft letter report addressing the following issues:
 - Summary of the flow monitoring completed
 - Results and conclusions of the flow monitoring, including the following,
 - Level of infiltration
 - Level of inflow
 - Wet weather peaking factors
 - Regression analysis to 1, 3 and 5-year storm events
 - Evidence of surcharging and downstream control
 - Evaluation of MWRDGC Interceptor influence on City collection system.
 - Recommendations for future I/I reduction efforts in each area.
- E. Incorporate City comments into a final letter report and submit three hard copies and one electronic copy to the City.
- F. Provide project management and attend up to two meetings with City staff.

Schedule

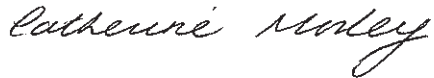
The flow meters and rain gauges will be installed in the first week of April 2012 and will remain in service for 75 days. The draft report will be submitted within two months after the meters are removed. The final report will be submitted within one month after receipt of City comments.

Proposed Fee

This work will be billed on a time and material basis using the enclosed fee schedule with a not-to-exceed maximum billing of \$37,395.

If you have any questions on this proposal, please feel free to give me a call at 630-682-4700 x 354.

Sincerely,
RJN Group Inc.



Catherine L. Morley, P.E.
Project Manager

Enclosure

**City of Rolling Meadows
2012 Sanitary Sewer Flow Monitoring
Estimated Level of Effort**

Task No.	Task Description	160 PM	100 PE	85 ET	65 FT	55 CL	Total Hours	Total Cost
1001	Site Investigation, Meter Preparation and Installation	1	4	4	48		57	\$4,020
1002	Meter Maintenance and Data Download	1	4	4	104		113	\$7,660
1003	Flow Data Analysis	2	12	48	2		64	\$5,730
1004	Draft Report	6	16	32		1	55	\$5,335
1005	Final Report	2	4	12		1	19	\$1,795
1006	Project Management and Meetings with City	14	4			2	20	\$2,750
Subtotal		26	44	100	154	4	328	\$27,290

Direct Expenses

9901	Mileage, Printing and Miscellaneous Expenses	\$350
9902	Flow Meters (5 meters x \$25/day x 75 days)	\$9,375
9903	Rain Gauges (1 rain gauge x \$5/day x 75 days)	\$375
Subtotal		\$10,100

Total	\$37,390
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PM Project Manager
PE Project Engineer
ET Engineering Technician
FT Field Technician
CL Clerical

