

RESOLUTION NO. 17-96

A RESOLUTION AUTHORIZING AN AMENDMENT TO THE ENGINEERING SERVICES AGREEMENT BETWEEN THE VILLAGE OF VILLA PARK AND RJN GROUP, INC. FOR DESIGN OF THE ASTOR/MYRTLE IMPROVEMENT PROJECT

WHEREAS, the Village of Villa Park is a municipal corporation duly organized and existing under the laws of the State of Illinois; and,

WHEREAS, the Village of Villa Park has a satisfactory relationship with and had previously entered into an agreement with RJN Group, Inc., to provide Phase II design engineering services for the Astor/Myrtle Improvement Project; and,

WHEREAS, the Village of Villa Park has received a proposed amendment from RJN Group, Inc., to perform Phase II engineering services for Euclid Avenue from Kenilworth Avenue to Central Boulevard and Park Boulevard to Highland Avenue, which services shall be completed at a cost not to exceed \$47,350; and,

WHEREAS, the corporate authorities of the Village of Villa Park have determined that it is in the best interests of the citizens of the Village of Villa Park to amend the agreement with RJN Group, Inc. as is more particularly set forth in a document styled "**PROPOSAL FOR AMENDMENT TO DESIGN SERVICES ASTOR/MYRTLE SEWER SEPARATION PROJECT EUCLID AVENUE – ROAD RECONSTRUCTION**" a copy of which is attached hereto as Exhibit A.

NOW THEREFORE, BE IT RESOLVED by the President and Board of Trustees of the Village of Villa Park, DuPage County, State of Illinois, as follows:

1. That the agreement amendment styled "**PROPOSAL FOR AMENDMENT TO DESIGN SERVICES ASTOR/MYRTLE SEWER SEPARATION PROJECT EUCLID AVENUE – ROAD RECONSTRUCTION**" attached hereto as Exhibit A is hereby approved and the Village Manager is hereby authorized and directed to execute said Agreement on behalf of the Village of Villa Park.

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2. That this resolution shall be in full force and effect from and after its passage and approval according to law.

PASSED AND APPROVED THIS 4th DAY OF December, 2017.

VILLAGE OF VILLA PARK
Albert Butters

President, Village of Villa Park

ATTEST:

Josanna Kreppecky

Clerk, Village of Villa Park

ADOPTED this 4th day of December, 2017, pursuant to a roll call vote as follows:

AYES: 6
NAYS: 0
ABSENT: 1
ABSTAINING: 0



November 6, 2017

Mr. Vydas Juskelis, P.E.
Public Works Director
Village of Villa Park
20 S. Ardmore Avenue
Villa Park, Illinois 60181-2696

**SUBJECT: PROPOSAL FOR AMENDMENT TO DESIGN SERVICES
ASTOR/MYRTLE SEWER SEPARATION PROJECT
EUCLID AVENUE – ROAD RECONSTRUCTION**

Dear Mr. Juskelis:

RJN Group, Inc. (RJN) is pleased to submit this proposal for additional engineering services to provide final design for Euclid Avenue Road Reconstruction. This project would be undertaken as an Amendment to the Astor Court and Myrtle Avenue Sewer Separation project and the Central Boulevard Improvement project. The expanded project scope and additional costs are presented below.

Project Understanding

RJN recently submitted design documents for Astor and Myrtle Avenues in the Village of Villa Park. RJN understands that the Village of Villa Park is now prepared to increase the scope of this project by including the following sections of roadway reconstruction to the existing scope:

<u>Street</u>	<u>Cross Streets</u>	<u>Cross Streets</u>	<u>Length (FT)</u>
Euclid Avenue	Kenilworth Avenue	Central Boulevard	475
Euclid Avenue	Park Boulevard	Highland Avenue	850

Project Tasks

RJN will be providing overall management of these additional services and Hancock Engineering will be undertaking the design portion of the work. The proposed tasks are as follows:

1. Attend a Project Kick-Off Meeting with Village staff prior to initiating any investigative work for the design of these roadways. This meeting will allow us to review the project design, details, and standards with the Village to ensure we are in agreement as to expected deliverables.

2. Topographic Survey

- Prepare full topographic survey of these sections of roadway.
- The survey will fully accommodate the necessary design of these roadways, including:
 - Topographic Data from Right-of-Way to Right-of-Way
 - Elevation Points for all cross-section points at interval not to exceed 50'
 - Measured depths and visual inspections of all Village of Villa Park-owned water and sewer utilities at all manholes, valve vaults, valve boxes, catch basins, inlets, and sewer clean outs in the village's right of way.
 - Setting benchmarks (on hydrants) on each block of entire project with a description of the bolt used (such as ne bolt, tagged bolt or first bolt past arrow)
 - Detailed data at each connecting intersection and for a minimum of fifty feet (50') in each direction.
 - Setting Horizontal Control throughout entire Project by installing nails in centerline of pavement at PCs of existing curb-line and/or installing cut crosses in public sidewalk tying in the location of existing back of curb at PCs and mid-block.

3. Utility Coordination

Identify the depth of roadway excavation on each particular section of roadway and provide this information to public utilities to ensure the roadway reconstruction and roadway drainage will not conflict with existing utility locations. Provide base drawings to the public utility companies (Nicor Gas, ComEd, Comcast, and AT&T, etc) to "red-line" their existing utilities directly on the plans so that their infrastructure can be incorporated into the plans.

4. Geotechnical Report

Complete up to five (5) soil borings and five (5) pavement cores along the proposed route.

Upon completion of field and laboratory work, prepare a geotechnical engineering report using the collected data, including the following:

- Summary of client-provided project information and report basis
- Overview of encountered subsurface conditions
- Overview of field and laboratory tests performed including results

- Geotechnical recommendations
- Subgrade preparation and stability recommendations

5. CCDD Sign-Off

Rubino Engineering will perform a Potential Impacted Property (PIP) evaluation of the area along Euclid Avenue (Kenilworth to Central and Park to Highland) in Villa Park, Illinois.

Rubino will collect and analyze soil samples from each borehole for soil analytical testing in general compliance with the IEPA CCDD requirements, including:

- PIP Evaluation (Historical & Regulatory)
- Soil Analytical Tests as required.
- pH
- P.E. Certification LPC 663.

6. Manhole Rehabilitation Inspections

RJN will perform inspection and design rehabilitation recommendations for up to 12 manholes in advance of road improvements. The proposed scope of services is as follows:

- Perform surface manhole inspections for up to 12 manholes on south Euclid Avenue where the road will be reconstructed.
- Identify and document manhole defects. Take at least one manhole “area” picture, one picture of the frame and cover, and at least one “top down” picture of each manhole.
- Utilize electronic data collection equipment for the manhole inspections and obtain following information for each manhole: manhole defects, invert elevations, manhole diameter, manhole material, manhole location, connecting sewer diameter(s), connecting sewer material (s).
- Provide manhole rehabilitation recommendation based on cost, inflow and infiltration reduction, structural improvement and Village standards.
- Prepare a manhole rehabilitation schedule and include the manhole rehabilitation into the Design Plan Sheets.
- Update Special Provisions for pay items related to manhole rehabilitation.
- Update the Engineer’s Opinion of Probable Costs.

7. Preparation of Design Survey and Base Sheets

- Revise the following sheets: cover, summary of quantities, alignment, typical sections.

- Prepare AutoCad base plan sheets for the proposed additional sections of roadway reconstruction. Outline the existing conditions as they apply to the scope of improvements. Show spot elevations at edge of pavement, centerline, back of walk, etc. Additionally, present existing elevations at all utility structures and other critical points. Depict vertical and horizontal control on the plan sheets.

The proposed stationing will start at 30+00 from East Highland Avenue and at 40+00 from East Central Boulevard.

8. Update Permits

Update the following permits to include the construction of these improvements:

- Notice of Intent (NOI) to the IEPA for ground disturbance.
- Notice of Termination (NOT) to the IEPA for ground disturbance.

In addition, update the Storm Water Pollution Prevention Plan (SWPPP) for the project in accordance with Part IV of the General NPDES Permit.

9. Revisions to Contract Documents

The project documents for the original submittal were prepared in "MFT format" which included construction documents, bid forms, instructions to bidders, contract bid form, bonding and insurance requirements, and other compliance requirements. Update these items as follows:

- Update special provisions for pay items as well as other standards (Village standards, IDOT BDEs, etc.) as necessary.
- Update the supplemental and recurring SP, Check sheets, BDEs, etc. for the entire project as necessary due to later bid letting.
- Update the Engineer's Opinion of Probable Costs and Estimate of Construction Time for the roadway portion of the project. Split the updated cost estimate into multiple funds as requested by the Village.

10. Contingency

The amendment includes a contingency item in case of any delay in the procurement of the state loan. The "Euclid Avenue" project then would be bid as a standalone project in which any loan wording would be removed from the Plans and Specification Documents, the Plans divided into two projects, and the quantities adjusted accordingly.

11. Submittal of Documents at 75% Completion

Submit plans and other bidding documents at an approximate 75% completion point. Incorporate the comments from permitting and public utility agencies.

The submittal will include project plans, specifications, estimate of time and estimate of cost.

12. Submittal of Final Documents

After completing our internal review and incorporating any final Village comments, provide final sets of project plans and bidding documents.

A final Engineer's Opinion of Probable Cost and Estimate of Time will be provided.

13. Project Management and Meetings

Provide project management services and if necessary, attend one additional meetings with Village staff (in addition to kick-off meeting).

14. Bidding Assistance

Provide bidding services for the additional area per the scope in the original agreement.

Items Requested from the Village

We request that the following items be provided by the Village:

1. Updated GIS information on the sanitary, storm and water systems.
2. Any As-Built drawings for the project areas.

Schedule

The 75% plans will be submitted to the Village within 6 weeks of receipt of Notice to Proceed. The 95% plans will be submitted within 2 weeks of receipt of Village comments on the 75% plans.



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Mr. Vydas Juskelis, P.E.
October 12, 2017

Proposed Fee

The proposed base services will be invoiced on a time and material basis using the enclosed fee schedule with a proposed fee not-to-exceed maximum billing of \$47,350.00.

We appreciate the opportunity to continue provide sanitary system services to the Village. If you have any questions, please feel free to contact Cathy at 630-682-4700 x354.

Sincerely,
RJN Group, Inc.

Michael N. Young, P.E.
Principal

Catherine Morley, P.E.
Senior Project Manager

Enclosure: Summary of Engineering Services Fees

Proposal Hereby Accepted:

Name ALBERT BULTHUIS

Title PRESIDENT

Signature Albert Bulthuis

Date 12-4-17

Village of Villa Park

Astor-Myrtle Final Design Services with Stormwater Detention - Amendment

Summary of Engineering Services Fees

Task No.	Task Description	200 PD	175 SPM	125 SPE	110 PE	100 ET	65 FT	80 GIS	80 OT	70 CL	Total Hours	Total Cost
1001	Kickoff Meeting and Review Documents		4	4							8	\$1,200
1002	Project Management and Meetings		2	4							6	\$850
1003	Manhole Rehabilitation Recommendations		1	6		10	2	2			21	\$1,895
1004	Prepare Base Sheets			4		8					12	\$1,300
1005	Roadway Design and Plans		1	2		8					11	\$1,225
1006	Specifications		1	4						4	9	\$955
1007	Quantities and Cost Opinion		1	6		4					11	\$1,325
1008	Permits			2							2	\$250
1009	Bidding Assistance		1	3					1		5	\$620
1010	Contingency		2	10		12			1		25	\$2,870
	Direct Labor Subtotal	0	13	45	0	32	10	2	2	6	110	\$12,490

Direct Expenses

9901 Hancock - Road Design

9904 Mileage, Printing, Shipping, Misc.

\$34,660

\$200

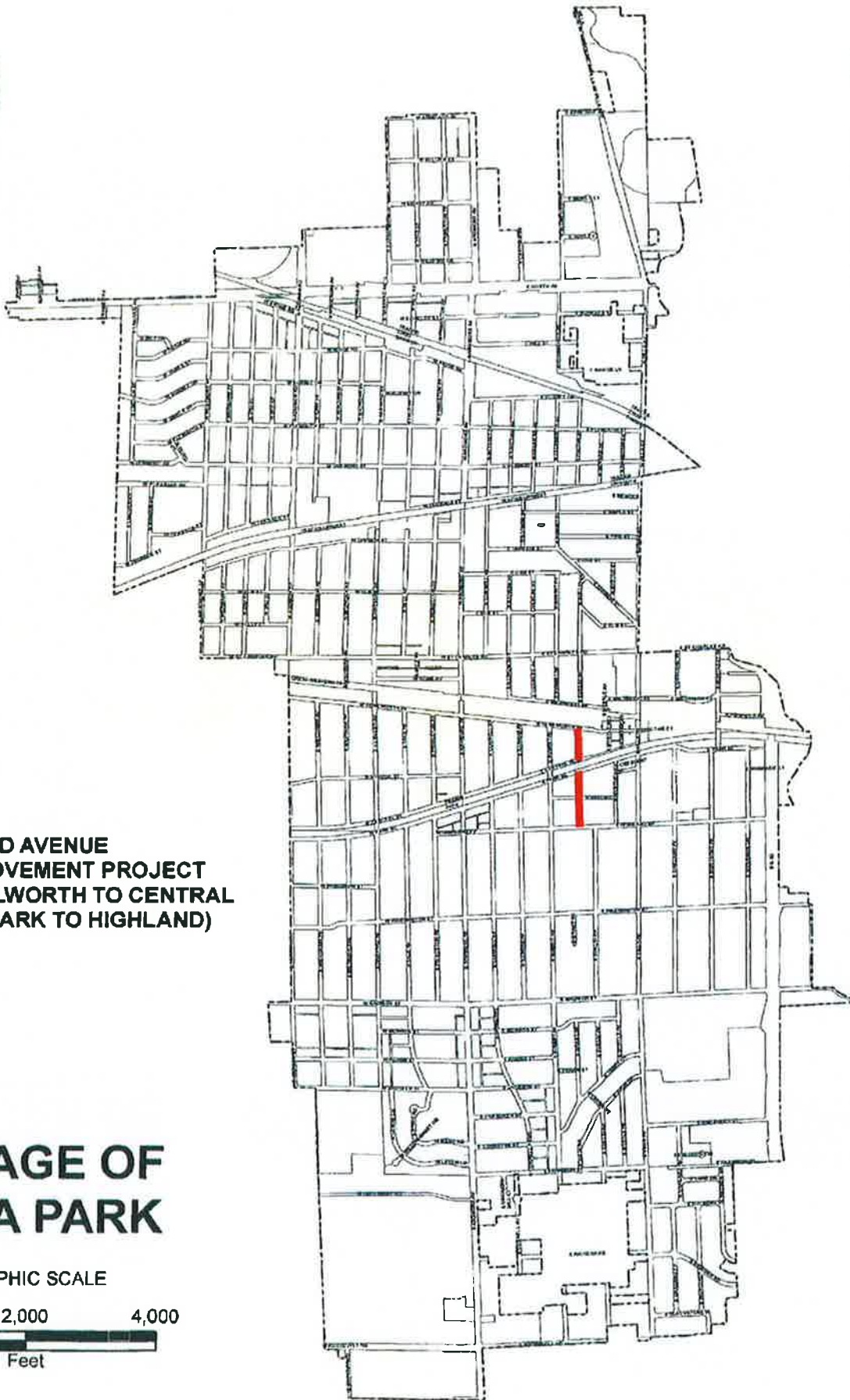
Total Direct Cost

\$34,860

Overall Total Cost

\$47,350

- PD Project Director
- SPM Senior Project Manager
- SPE Senior Project Engineer
- PE Project Engineer
- ET Engineer
- FT Field Technician
- GIS GIS Technician
- OT Office tech
- CL Clerical



 **EUCLID AVENUE
IMPROVEMENT PROJECT
(KENILWORTH TO CENTRAL
AND PARK TO HIGHLAND)**

VILLAGE OF VILLA PARK

