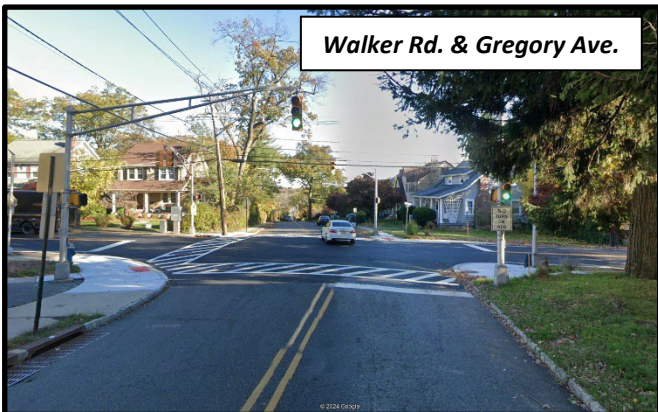
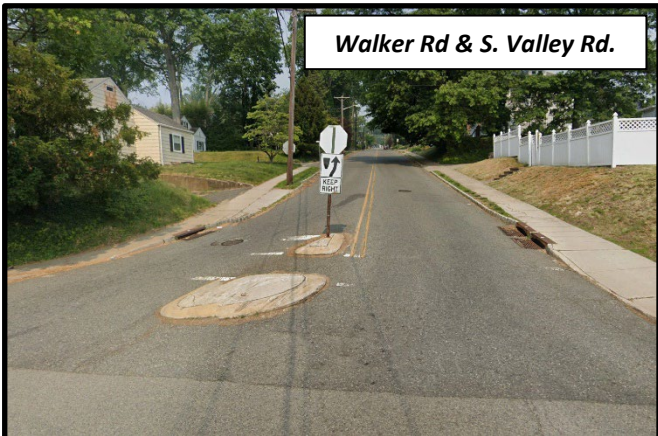


PROPOSAL FOR
PROFESSIONAL ENGINEERING AND SURVEYING SERVICES
NJDOT LOCAL TRANSPORTATION PROJECT
FUNDS (LTPF) FY 2023
WALKER ROAD, S. VALLEY ROAD, AND ROONEY CIRCLE
WEST ORANGE TOWNSHIP, ESSEX COUNTY, NEW JERSEY

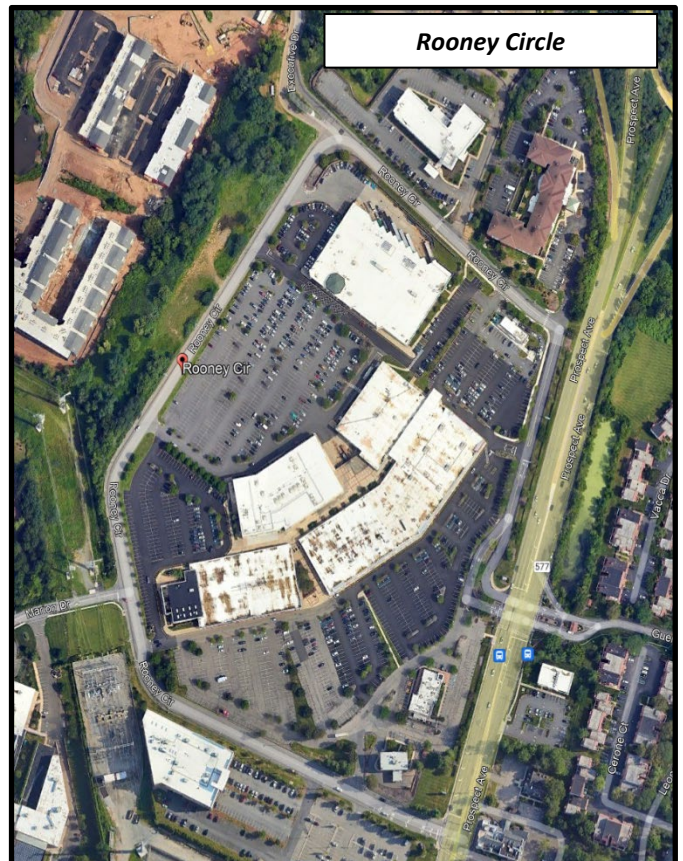
February 2, 2024



Walker Rd. & Gregory Ave.



Walker Rd & S. Valley Rd.



Rooney Circle

Greenman-Pedersen, Inc.

ENGINEERING | SURVEYING | PLANNING | CONSTRUCTION MANAGEMENT

301 Gibraltar Drive – Suite 2A
 Morris Plains, NJ 07950

973-377-8500
www.gpinet.com

GPI

ORIGINAL

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February 2, 2024

Zayibeth Carballo, Assistant Municipal Engineer
Township of West Orange
Department of Public Works
25 Lakeside Avenue
West Orange, NJ 07052

RE: Response to Request for Proposals for Professional Engineering and Surveying Services
LTPF FY 2023 NJDOT Local Transportation Project Funds
Walker Road (From Gregory Ave. to S. Valley Rd.)
S. Valley Road (From Walker Rd. to Township Line with S. Orange)
And Rooney Circle

Dear Ms. Carballo:

Greenman-Pedersen, Inc. (GPI) is very interested in performing Professional Engineering and Surveying Services as outlined in your January 19, 2024 Request for Proposals. We have performed similar services for the Township of West Orange and are cognizant of the need for the Township's satisfaction with the technical quality of this project while considering budget constraints.

GPI has also performed numerous projects which received grants under the New Jersey Department of Transportation (NJDOT) Local Aid program, and we are quite familiar with their requirements. We recently completed the design and construction documents for the Nance Road, Warren Road, and King Road Improvements, which were partially funded through the NJDOT Municipal Aid Program for 2022.

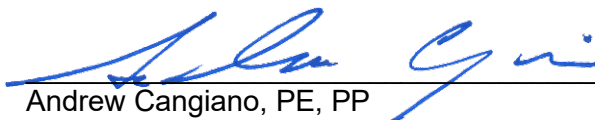
We understand the Township intends to advertise for bids on this project in Winter 2024/2025 with construction in Summer and Fall 2025.

Our November 28, 2023 Qualifications Statement submitted to the Township demonstrates that our experienced staff have the expertise necessary to accomplish the project.

Enclosed please find our Proposal to Provide Professional Engineering and Surveying Services for your review, dated February 2, 2024.

We are pleased to have this opportunity to be of continued service to the Township of West Orange and hope you will find our proposal favorable. We would be happy to provide additional information or assistance as your needs dictate. My direct line is (973) 434-8349.

Very truly yours,


Andrew Cangiano, PE, PP
Director of Engineering


Michael E. Pirog, PE
Project Engineer

AC/MEP/rem

m:\proposal\mep\west orange\ltpf fy 2023 walker rd, s valley rd, rooney circle\proposal_02-02-2024_ltpf fy 2023_walker, s. valley & rooney.docx

SECTION 1

Scope of Services / Fee Schedule

Greenman-Pedersen, Inc. (GPI) understands that the Township of West Orange requires engineering, surveying, and construction management services necessary for the **LTPF FY 2023 NJDOT Local Transportation Project Funds Improvements to Walker Road, S. Valley Road, and Rooney Circle**. Throughout the firm's 58-year history we have provided capital improvement project design to dozens of New Jersey municipalities. We have also served as the municipal engineer for various municipalities throughout the firm's existence. We are very experienced in providing road reconstruction design, plans, specifications and contract documents of a professional nature in a cost effective and timely manner.

We recommend commencing our work with a start-up meeting. This will allow us to understand your concerns and can advance the project in an expeditious manner.

Professional services will include base map preparation, a complete design and bid package or packages including cost estimates, plans and specifications (twenty copies each) for bidding purposes.

We have reviewed the proposed tasks contained in the RFP, visited the sites, and we believe we have a clear understanding of the goals of this project.

The RFP specifies the following improvements:

1. SURVEYING SERVICES

- A. Topographic Survey and Base Mapping that will provide a topographic field survey and base mapping suitable for the proposed improvements, which will include, but will not be limited to, the following items:
 - 1. Establishment of centerline of existing street.
 - 2. Topographic survey of all trees, shrubs, walls, driveways, walks, steps, and other existing features within the ROW and farther where necessary to the proposed improvements.
 - 3. Right of way will be shown from available Township Tax Map information.
 - 4. Topographic Survey including additional topography behind the curb and sidewalk of the roadways and at road intersections.
 - 5. Top and Bottom of curb elevations, storm inlets with inverts and pipe sizes, sanitary manholes with rim elevations, and any other utilities visible on the roadways will need to be located.
- B. Establish horizontal control based on North American Datum 1983 (New Jersey State Plane Coordinate System-NAD 83) and North American Vertical Datum 1988 (NAVD 88);
- C. Benchmark(s) to be set on site for future use;
- D. Existing conditions/Survey Control plan;
- E. Coordinate utility mark-outs;

As part of the deliverables, an electronic AutoCAD file of the Boundary and Topographic Survey will be provided to the Township.

2. **CIVIL ENGINEERING SERVICES**

- A. Proposed roadway profiles matching existing grades;
- B. Roadway improvements include curb, , sidewalk, aprons, pavement milling and resurfacing, pavement striping, new traffic signs, shade trees;
- C. Curb ramp plans and details as necessary;
- D. New drainage improvements as necessary;
- E. Drainage structure repairs with new frames, grates, curb pieces as necessary;
- F. New manhole castings, frames and covers as necessary. Repair existing manholes as necessary;
- G. Coordinate with WO Traffic Bureau for the preparation of traffic control and detour plans;
- H. Prepare construction details;
- I. Plan Set to include but not limited to Cover Sheet, Existing Conditions/Survey Control Plan, Demolition Plan, Construction Plan, Grading and Utility Plan, Soil Erosion and Sediment Control Plan and Details, Traffic Control and Detour Plans, and Construction Details;
- J. Include one (1) meeting with Township Officials for Preliminary Design;
- K. Bid Package that includes bid set of plans and construction specifications in accordance with public bidding laws;

Bidding documents (plans and specifications) are to be part of the deliverables to the Township via AutoCAD, hard copy and PDF files.

The total length of each road is approximately:

Walker Road – Gregory Avenue to S. Valley Road	1,550 linear feet
S. Valley Road – Walker Road to Township Limits	1,950 linear feet
Rooney Circle	3,230 linear feet

The total length of roads is approximately 6,730 LF.

SCOPE OF WORK

I. Topographic and Existing Condition Surveying Services

Boundary survey is not included in the scope of services. Right-of-way will be shown from Township Tax Map and County GIS information.

- A. We will conduct base mapping via aerial photography and township tax maps for Rooney Circle. The project length for this road is approximately 3,230 feet long.
- B. We will conduct a field survey for Walker Road and S. Valley Road within the project scope and all adjacent intersections. The project length for both roads is approximately 3,500 feet long.

The survey will include the following:

- Establishing of elevation benchmarks outside of the anticipated area of construction. Benchmarks will be placed at the beginning and end of project limit, and at least two in the construction limits. Vertical control will be based on NAVD 1988. Detailed descriptions of the elevation benchmarks shall be shown on the Plan Sheets.
 - Location of all topographic features within the existing right-of-way and fifty (50) feet up any intersecting streets. These features will include buildings, curbs, sidewalks, driveways, depressed curbs, driveway aprons, sidewalk depressed curbs, steps, walls, pillars, fences, guide rail, trees greater than 4" diameter within the right-of-way (with diameters), shrubs, flag poles, lamp posts, sign posts, mailboxes, drainage swales and traffic signals and related equipment enclosures.
 - Locate all utilities by above ground observation and utility mark-outs. The horizontal locations and elevations of the sanitary sewer storm drainage features will be measured. The pipe material, invert elevations and pipe diameters will be measured only as needed for drainage improvements.
 - Property lines and right-of-way will be depicted based on the municipal tax map and County GIS information.
- C. Topographic base mapping of the project area will be prepared at a horizontal scale of 1"=20', using AutoCAD format. The plans will show the Tax Map right-of-way and all information located on the survey. Centerline profile will be provided at a horizontal scale of 1" = 20' and vertical scale of 1" = 2'. Cross-sections will be provided at a horizontal scale of 1" = 5' and vertical scale of 1" = 2'.
- D. Base map plans will be provided to the Township on printed sheets and digitally, in the format requested by the Township.
- E. All surveying and design information will be provided in standard engineering units (feet/10ths/100ths) or (feet/inches).

II. Civil Engineering Services

- A. Before commencing the design, we will meet with you to review the specific requirements, including reviewing each street in the field. We will coordinate our efforts with your department throughout the project.
- B. We will prepare engineering plans for each street at an anticipated scale of 1" = 20' utilizing the base mapping prepared above.
- C. Proposed roadway profiles will match existing grades.
- D. Curb ramp design will detail the construction of ADA compliant curb ramps utilizing NJDOT curb ramp standards and details. Curb will be granite 6" face, concrete curbs at ADA ramps.
- E. Design new granite curb for areas where required on all roads, milling of existing pavement and construction of new 2" surface course with full depth asphalt pavement where required, replacement sidewalk and driveway aprons as required, new striping and new traffic signage and shade trees as directed by the Township.

- F. We assume design of minor drainage improvements as necessary. Should substantial drainage upgrades be required, this proposal will be amended.
- G. New manhole castings as necessary, repair manholes as required and new catch basin frames, grates, curb piece, rebuild inlets as required.
- H. We will coordinate with West Orange Traffic Bureau and will prepare detour plans each roadway closure, as needed. Detour plans will depict detour routes with signage on to local and or County roadways as required for the roadway milling and resurfacing operations.
- I. All design criteria will comply with the current NJDOT and MUTCD specifications.
- J. We will prepare a complete set of specifications.
- K. A final Engineer's Estimate of Construction will also be prepared.
- L. All plans and specifications will be in accordance with New Jersey Department of Transportation Standard Specifications, and we will submit them for review by the NJDOT Local Aid Office.
- M. We will prepare and submit twenty (20) sets of Contract Documents.

Assumptions

- 1. Full project length will be mill and overlay. No change to existing profile or cross-slopes.
- 2. Proposal excludes modifications or upgrades to street lighting or traffic signal equipment.
- 3. Rooney Circle to be base mapped via tax map and supplemented with survey as necessary.
- 4. Partial or full curb and sidewalk replacement assumed for Walker Road and S. Valley Road.
- 5. GPI will rely on Township to request utility mark-outs.
- 6. GPI assumes all railing, guide rails, steps, retaining wall or landscape walls will remain as-is. Replacement of these features is not anticipated and is excluded from this proposal.

FEE SCHEDULE – Surveying & Design

Our fee for the services outlined above is as follows:

<u>Item No.</u>	<u>Description</u>	<u>Lump Sum Fee</u>
Task I	Topographic and Existing Condition Surveying Services	\$18,800.00
Task II	Civil Engineering Services	\$24,100.00
TOTAL:		\$42,900.00

FEE SCHEDULE – Construction Inspection & Certification of Completion

The time required to perform construction inspection services is a function of established contract duration(s), contractor's schedule, and the Township's need for part-time or full-time inspection. We will provide construction inspection services to fit with the Township's needs. The services will be provided on an hourly basis.

Our fee for the above referenced services is as follows:

Construction Administration/Construction Inspection Services	\$105.00/hr.
Construction Inspection Overtime Rate	\$157.50/hr.

HOURLY BILLING RATES

As submitted in our Qualification package to the Township of West Orange on November 15, 2022, following are our municipal billing rates:

PROFESSIONAL ENGINEER	\$ 180.00
SENIOR PROJECT MANAGER, ENGINEERING	\$ 160.00
SENIOR PROJECT MANAGER, LANDSCAPE ARCHITECTURE	\$ 150.00
SENIOR DESIGNER	\$ 125.00
DESIGNER	\$ 95.00
INSPECTOR	\$ 105.00
ENGINEERING TECHNICIAN	\$ 85.00
PROFESSIONAL LAND SURVEYOR	\$ 170.00
SENIOR PROJECT MANAGER, SURVEYING	\$ 150.00
PROJECT SURVEYOR	\$ 135.00
SURVEYING TECHNICIAN	\$ 105.00
PARTY CHIEF	\$ 110.00
INSTRUMENT PERSON	\$ 95.00
ADMINISTRATIVE SUPPORT	\$ 75.00

SECTION 2

Personnel Assignments

For this project, GPI will perform the work in its entirety. No sub-consultants will be needed. All work will be done entirely within GPI's Engineering and Surveying Departments.

Michael E. Pirog, PE, Project Manager, will be responsible for the overall design, contract adherence, and overall project supervision. Mr. Pirog is quite familiar with the Township of West Orange, having worked on several other Township projects in recent years. He will be assisted by Engineering Department staff members **Michael A. Wallo, PE, CME**, Assistant Director of Engineering/Project Engineer and **Lenin Cruz**, Senior Designer. Quality Assurance-Quality Control (QAQC) will be performed by **Andrew Cangiano, PE, CME**, Director of Engineering – Morris Plains Office.

SECTION 3

Project Schedule

We are committed to adhering to the Township’s goal to advertise for bids by **Winter 2024/2025**, with a construction start in **Summer/Fall 2025**. We anticipate work will proceed within one (1) week after the award of contract. GPI has the resources to complete the project in a timely fashion, and we are confident that we can achieve the Township’s goal.

We have assumed a March 1, 2024 Notice to Proceed award and have prepared the following Project Schedule:

		Project Schedule					
		March 2024	April 2024	May 2024	June 2024	July 2024	August 2024
	March 1, 2024 (Assumed Award & NTP)						
1	Surveying Services						
2	Design of Preliminary Plans/Specs						
3	Township Review and Comment						
4	Final Plans and Specifications for NJDOT						
5	NJDOT Review						
6	Final Bid Documents						

SECTION 4

Sample Insurance Certificate

ACORD®		CERTIFICATE OF LIABILITY INSURANCE		DATE (MM/DD/YYYY) 12/19/2023			
THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER. IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).							
PRODUCER PG Genatt Group LLC 3333 NEW HYDE PARK RD SUITE 409 NEW HYDE PARK NY 11042		CONTACT NAME: Jeff Kozarsky PHONE (A/C, No, Ext): 516-869-8788 E-MAIL ADDRESS: jkozarsky@genattgrp.com		FAX (A/C, No): 516-470-0338			
INSURED Greenman Pedersen, Inc. (Morris Plains) 301 Gibraltar Drive, Suite 2A Morris Plains NJ 07950		INSURER(S) AFFORDING COVERAGE INSURER A: XL Specialty Insurance Company INSURER B: Everest National Insurance Company INSURER C: North Pointe Insurance Company INSURER D: QBE Insurance Corporation INSURER E: Stonington Insurance Company INSURER F: Allied World Assurance Company (U.S.) Inc.		NAIC # 37885 10120 27740 39217 10340 19489			
COVERAGES CERTIFICATE NUMBER: 1051438221 REVISION NUMBER:							
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.							
INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
D	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: POLICY ☒ PRO-JECT ☒ LOC OTHER:			171000795	12/31/2023	12/31/2024	EACH OCCURRENCE \$2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$500,000 MED EXP (Any one person) \$10,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$4,000,000 PRODUCTS - COMP/OP AGG \$4,000,000 \$
C	AUTOMOBILE LIABILITY ☒ ANY AUTO OWNED AUTOS ONLY ☐ SCHEDULED AUTOS HIRED AUTOS ONLY ☒ NON-OWNED AUTOS ONLY			161001112	12/31/2023	12/31/2024	COMBINED SINGLE LIMIT (Ea accident) \$2,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B	☒ UMBRELLA LIAB ☒ OCCUR EXCESS LIAB CLAIMS-MADE DED ☒ RETENTION \$10,000			XC5CU00324231	12/31/2023	12/31/2024	EACH OCCURRENCE \$5,000,000 AGGREGATE \$5,000,000 \$
E	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	152000765	12/31/2023	12/31/2024	☒ PER STATUTE ☐ OTHER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000
A F	Property Professional Liability			UM00082200MA23A 03141016	12/31/2023 12/31/2023	12/31/2024 12/31/2024	Valuable Papers \$150,000 Each Claim \$2,000,000 Aggregate \$2,000,000
DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)							
CERTIFICATE HOLDER				CANCELLATION 30 day notice applies			
SAMPLE FOR INFORMATIONAL PURPOSES ONLY				SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 			

ACORD 25 (2016/03)

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