

RESOLUTION NO. 2024- 292

A RESOLUTION AUTHORIZING AN AGREEMENT WITH GREENMAN-PEDERSEN, INC., BRIDGEWATER, NJ FOR PROFESSIONAL DESIGN SERVICES FOR THE VINELAND CURVE STUDY PROJECT.

WHEREAS, the City Council of the City of Vineland has adopted Resolution No. 2023-630, a Resolution pre-qualifying certain firms to submit proposals for as needed Architectural and Engineering Services; and

WHEREAS, the City of Vineland has a need for Professional Design Services for the Vineland Curve Study Project; and

WHEREAS, the City Engineer has recommended that a contract for the required services be awarded to Greenman-Pedersen, Inc., Bridgewater, NJ, in accordance with Professional Services Contract No. C24-0027 and Greenman-Pedersen, Inc. proposal, pursuant to a fair and open process; and

WHEREAS this contract is awarded in an amount not to exceed \$54,379.12 for specified services; and

WHEREAS, the availability of funds for said Professional Services Contract to be awarded herein have been certified by the Chief Financial Officer; and

WHEREAS, the Local Public Contract Law (N.J.S.A. 40A:11-1, et seq) requires that the Resolution authorizing the award of contract for Professional Services without competitive bidding and the contract itself must be available for public inspection.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Vineland that said contract for Professional Design Services for the Vineland Curve Study Project be awarded to Greenman-Pedersen, Inc., Bridgewater, NJ, in accordance with Professional Services Contract No. C24-0027 and in accordance with Greenman-Pedersen, Inc. proposal, pursuant to a fair and open process, in an amount not to exceed \$54,379.12.

BE IT FURTHER RESOLVED that the award of contract authorized herein shall be subject to the approval of the State of New Jersey Department of Transportation;

Adopted:

President of Council

ATTEST:

City Clerk

**REQUEST FOR RESOLUTION FOR CONTRACT AWARDS
UNDER 40A:11-5 EXCEPTIONS
(PROFESSIONAL SERVICES, EUS, SOFTWARE MAINTENANCE, ETC)**

6/3/24

(DATE)

1. Service (detailed description): Professional Design Services for Vineland Curve Study project.

2. Amount to be Awarded: \$ 54,379.12

- Encumber Total Award
 Encumber by Supplemental Release



3. Amount Budgeted: \$ _____

4. Budgeted: By Ordinance No. _____
Or Grant: Title & Year _____

5. **Account Number to be Charged: C-04-00-000-2420-78001

6. Contract Period: _____

7. Date To Be Awarded: 6/25/24

8. Recommended Vendor and Address: Greenman-Pedersen, Inc. (GPI)
520 US Highway 22, Bridgewater NJ 08807

9. Justification for Vendor Recommendation:(attach additional information for Council review)
Engineering staff reviewed all proposals.
GPI had lowest cost proposal.
Consultant is qualified to perform tasks required in this project.

- Non-Fair & Open (Pay-to-Play documents required)
 Fair & Open: How was RFP advertised? _____

10. Evaluation Performed by: Stephanie Wakeley, EIT

11. Approved by: David J. Maillet, PE

David J. Maillet

12. Attachments:

- Awarding Proposal
 Other: _____

- Send copies to:
Purchasing Division
Business Administration

** If more than one account #, provide break down

May 31, 2024

David J. Maillet, P.E.
City Engineer
City of Vineland, Division of Engineering
640 E. Wood Street, PO Box 1508
Vineland, NJ 08362-1508

Re: **City of Vineland Request For Proposals (RFP)
Design Services for Vineland Curve Study
Various Locations**

Dear Mr. Maillet:

Greenman-Pedersen, Inc. (GPI) thanks you for the opportunity to respond to the Request for Proposals (RFP) regarding Design Services for Vineland Curve Study in City of Vineland (COV), Cumberland County, New Jersey.

GPI has extensive and unique applicable experience, background and qualifications in the evaluation and design of horizontal curve warning signs. GPI is Rieker, Inc.'s only fully trained and certified engineering consulting firm in New Jersey authorized to use and distribute their Curve Advisory Reporting Service (CARS) ball banking technology. GPI has completed the evaluation of every horizontal curve in New Jersey (State, County, and municipal roadways with a functional classification of collector and above) relative to horizontal curve warning signs.

Based on our understanding of the RFP, GPI has developed the following scope of work for professional engineering services:

1. Project Setup

GPI will request and obtain existing information from COV, including geodatabase files for the street network and sign inventory. A data collection plan will be developed to establish protocols and a schedule which will be reviewed with COV to ensure any obstacles to data collection are accounted for. Data tables, including formatting, will be developed to organize the curve assessments for the curves contained along the 31 roadway segments provided in Appendix A of COV's RFP. Furthermore, GPI will establish a Quality Management Plan for the project.

2. Data Collection and Processing

GPI will collect data with Rieker, Inc.'s digital ballbanking system while driving through the assigned curves in both directions for two (2) passes. An evaluation of approximately 45 horizontal curves along the 31 roadway segments will be performed utilizing Rieker, Inc.'s Curve Advisory Reporting Service (CARS). Curve beginning and end points will be determined using maps, GIS, CARS and engineering judgement. The CARS reports generated by the ball banking technology will provide the curve advisory speeds for the curves based on the 11th Edition of the Manual on Uniform Traffic Control Devices (MUTCD). These data collection and processing techniques are compliant with MUTCD and approved by NJDOT.

3. Data Reporting and Support

GPI will populate the data tables with the analysis results including curve beginning and ending mileposts, super elevation, curve direction, curve radius, curve length, curve advisory speed, as well as recommendation or requirements for horizontal curve warning signs (horizontal alignment sign, speed plaque, chevrons and/or large arrows) and chevron spacing as determined through the application of section 2C of the MUTCD.

GPI's design services will be limited to the proposed removal and installation of ground mounted curve warning signs associated with the 31 roadway segments. GPI will propose sign locations consistent with the curve analyses and data tables. GPI anticipates providing a database that contains: roadway name, direction of travel, side of roadway, MUTCD sign code, sign size, and latitude and longitude coordinates (6 digits to the right of the decimal). It is anticipated that this information, or similarly available information, will be compatible with the COV's sign management systems. If needed, GPI will assist COV with integrating the proposed signs associated with this project into a format consistent with the sign management system and database. Note that the signage recommendations will be based on a visual assessment of the roadway and that no specific engineering analysis of the grade of the roadway, or signal warrant analysis will be performed. Development of construction plans or specifications is not included in this scope of work.

It is anticipated that COV will provide the crash data associated with the curve locations. Based on the frequency, type and severity of crashes, GPI will recommend locations to implement countermeasures beyond recommended or required ground mounted curve advisory signing such as high friction surface treatment, flashing beacons, streetlighting and/or rumble strips. GPI will summarize the results of the crash data review and recommendations for additional countermeasures in a memorandum. GPI does not anticipate providing design services for installation of the counter measures identified in the memorandum.

Our proposed lump sum fee is attached for your approval or comment. Should you have any questions, please do not hesitate to contact me at bboerchers@gpinet.com or (908) 236-9001.

Sincerely,
Greenman-Pedersen, Inc.



Bernard J. Boerchers, P.E., P.T.O.E.
Project Manager / Senior Vice President

City of Vineland
Design Services for Vineland Curve Study
Greenman-Pedersen, Inc. (GPI)
FEE SUMMARY
May 31, 2024

	Task No.	Project Manager (PVI)	Senior Engineer (PV)	Project Engineer (PIV)	Engineer (PIII)	Associate Engineer (PII)	Junior Engineer (PI)	Technician (ET-3)	Junior Technician (ET-1)	Total Hours	Total
Hourly Rate :		\$104.12	\$92.81	\$75.56	\$64.57	\$49.20	\$36.09	\$42.72	\$30.43		
Project Management	-	8.0		8.0						16.0	\$1,437.44
Project Setup	1		2.0	4.0	8.0			40.0		54.0	\$2,713.22
Data Collection and Processing	2		2.0	8.0	16.0			80.0		106.0	\$5,240.82
Data Reporting and Support	3		4.0	12.0	40.0			120.0		176.0	\$8,987.16
Total Hours		8.0	8.0	32.0	64.0	0.0	0.0	240.0	0.0	352.0	
Total \$		\$832.96	\$742.48	\$2,417.92	\$4,132.48	\$0.00	\$0.00	\$10,252.80	\$0.00		\$18,378.64

Labor

Labor	\$18,378.64
OH & Fee (185%)	\$34,000.48
GPI Subtotal	\$52,379.12

Direct Expenses

Mileage	\$0.00
Rieker, Inc.	\$2,000.00
Total Direct Expenses	\$2,000.00

Total GPI

Total Labor Costs	\$52,379.12
Total Direct Expenses	\$2,000.00
Total GPI Project Costs	\$54,379.12